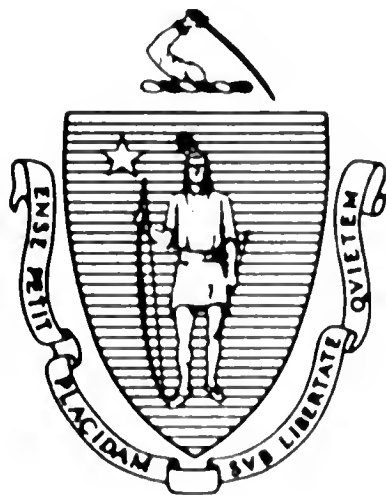


# ANNUAL REPORT of VITAL STATISTICS



1975

**Commonwealth of Massachusetts  
Department of Public Health**

PUBLIC DOCUMENT

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# *The Commonwealth of Massachusetts*

## *Department of Public Health*

*80 Boylston Street, Boston, 02116*

JONATHAN E. FIELDING, M. D.  
COMMISSIONER

November, 1976

To the Honorable Senate and  
House of Representatives

I have the honor to submit herewith as required by Chapter 111, Section 2, of the General Laws, the one hundred and thirty-fourth annual report on statistics of births, deaths, fetal deaths, marriages, and divorces in Massachusetts for the calendar year 1975.

In accordance with Chapter 508, Acts of 1964, this is the twelfth Annual Report of Vital Statistics published by the Department of Public Health, and is intended for administrative and research purposes connected with health programs and population studies.

Respectfully submitted,

A handwritten signature in cursive script, reading "Jonathan E. Fielding".

Jonathan E. Fielding, M.D.  
Commissioner



THE COMMONWEALTH OF MASSACHUSETTS

DEPARTMENT OF PUBLIC HEALTH

Jonathan E. Fielding, M.D.

Commissioner

Annual Report

of

Vital Statistics of Massachusetts

(Births, Deaths, Fetal Deaths, Marriages, and Divorces)

For the Year Ending December 31, 1975

Prepared by the

Massachusetts Department of Public Health

Vital Events Program

Office of Health Statistics

Room 335, 80 Boylston Street

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## FOREWORD

In 1841 the registration of vital events in Massachusetts was formalized by legislation, and this edition marks the 134th Annual Report of Vital Statistics. Records of births, deaths, fetal deaths, marriages and divorces are filed with the Secretary of the Commonwealth. The Secretary has traditionally employed a Registrar of Vital Statistics who, until recently, has also served as the tabulator and reporter of aggregated information culled from the records. In 1964, however, the latter responsibility was assigned by the Legislature to the Massachusetts Department of Public Health for purposes not only of administration but also of research related to health programs and population studies.

The data format which was adopted by Public Health in 1964 has been modified somewhat in this the twelfth report prepared by the Department. A greater emphasis has been placed upon utility of the information for health program development, planning, and administration, and certain changes have resulted. Improvements in both the manual and computer processing of the data have increased its timeliness, thus enlarging its potential and, consequently, its list of users.

The tables included in this report have been selected to meet the needs of the majority of vital statistics users. Other more detailed tables have been prepared and are on hand; reference will be made to them in the text. Other material accessible through the Office of Health Statistics consists of microfilmed copies of records since 1965 and computerized information since 1969 on magnetic tape.

Agencies, both public and private, needing information for program planning and research are encouraged to contact the Office of Health Statistics, 80 Boylston St., Boston, Massachusetts, 02116; telephone: (617) 727-5542 or 5543.

## INTRODUCTION

The "vital" events involving Massachusetts residents in 1975 and 1974 compare as follows:

|                     | <u>1975</u> | <u>1974</u> | <u>Per cent<br/>change</u> |
|---------------------|-------------|-------------|----------------------------|
| Live births         | 68,070      | 70,071      | -2.9                       |
| Fetal deaths        | 664         | 741         | -10.4                      |
| Infant deaths       | 903         | 976         | -7.5                       |
| Neonatal deaths     | 678         | 763         | -11.1                      |
| Total deaths*       | 53,708      | 55,776      | -3.7                       |
| Marriages           | 42,103      | 44,223      | -4.8                       |
| Divorces/annulments | 16,581      | 16,116      | +2.9                       |

\*Total deaths do not include fetal deaths.

These figures confirm that the recent trend for all events (except divorce) to decrease is being continued. Discussion and detailed consideration will be presented in following sections.

DEFINITIONS: The standard questions asked of vital statisticians are "Has there been a change?" and "How does our experience differ from that of other populations?" Such questions must be asked if any meaning is to be elicited from the vital events data; comparisons of events are necessary to identify patterns of phenomena and situations for which intervention should be designed and implemented.

Care should always be taken that similarities or differences between events reflect the events themselves and not differences in identification, counting or definition. That is, only standardized definitions, references, and descriptions can assure valid comparisons. The following definitions and procedures used by the Office of Health Statistics in Massachusetts conform wherever possible to those of the National Center for Health Statistics.

This federal agency receives, compiles, and publishes vital statistics from each state, and is concerned with standardization which permits comparisons:

LIVE BIRTH: A live birth is the complete expulsion or extraction from its mother of a product of conception, regardless of the duration of pregnancy, which, after separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

BIRTH WEIGHT: Weight of an infant or fetus at the time of delivery. It may be recorded in either pounds/ounces or grams; if it is the former, it is converted to grams for use in this report.

MATURE BIRTH WEIGHT: Weight at delivery which equals or exceeds 2501 grams.

IMMATURE BIRTH WEIGHT: Weight at delivery of 2500 grams or less. Immaturity is used rather than prematurity (which connotes gestational age) because the latter is difficult to ascertain reliably.

ILLEGITIMATE BIRTH: A birth for which no information regarding the father appears on the birth record. Massachusetts law provides that when parents are not married, data for the father are not recorded; and further, the record is impounded and is therefore not a public document.

INFANT DEATH: Death of a person whose age is less than one year.

NEONATAL DEATH: Death of a person whose age is less than 28 days.

FETAL DEATH: A fetal death is death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy; the death is indicated by the fact that after such separation the fetus does not breathe or show any other evidence of life, such as the beating of the heart, pulsation of the umbilical cord, or definite movements of the voluntary muscles.

In Massachusetts the law requires that only those fetal deaths of 20 or more weeks gestation be recorded; therefore, the fetal deaths referred to in this report are of that gestational age. In this report use is made of infant, neonatal and fetal deaths occurring only to Massachusetts residents.

CAUSE OF DEATH: The underlying condition which gives rise to a series of events leading to death. The code used for identifying cause of death is the 8th Revised Edition of the International Classification of Disease, and the rules for applying the code are promulgated by the National Center for Health Statistics. (The 8th Revision was adopted by Massachusetts in 1969; care, therefore, should be used when comparisons of causes of death span two somewhat different sets of codes).

RACE: The mother's response to the question of her own and her husband's racial identity. The race of the baby is determined by consideration of the race(s) of the parents.

COLOF: This term is supposed to be synonymous with race. It appears on the death certificate currently in use, and the response is supplied by an informant (relative of the deceased, funeral director, or other). Since it is the term used, "color" appears in certain death tables contained in this report.

RESIDENCE: The usual place of residence as reported by the mother (for births) or the informant (for deaths). An infant's residence is considered that of its mother. In Massachusetts, residence refers to one of the 351 towns or cities having a town/city clerk.

OCCURRENCE: The place where the event actually happened. In Massachusetts, place will be one of 351 towns/cities (see above).

MEDIAN: A statistical measure of central tendency. It is the midpoint of a linear distribution; that is, half of the values are more and half are less than the median value.

RATE and RATIO: Each of these is an expression of the relationship of one number divided by another. When one number is divided by another the result is a ratio. Usually the term ratio is used when the numerator is larger than the denominator; for instance, female/male sex ratio of 2 means the number of females is twice as many as that of males.

In vital statistics, the term rate is frequently used to indicate the relationship between the number of events and the population exposed to the risk of the event. In such a case, the number of events (numerator) is usually smaller than the population (denominator), and the relationship is less than unity, i.e., a proportion. If it is multiplied by 100, it is a per cent; but most often it is multiplied by 1000 and expressed as a rate per 1000 population.

An absolute distinction between the two terms is not possible because of inconsistencies in vital statistics terminology. However, this does not preclude their use; rather, it underlines the need to clarify what is in the numerator and denominator of a relationship and the purpose for which the relationship is computed. The rates/ratios used in this report are as follows:

CRUDE RATE: A particular event (such as live births, deaths, etc.) related to an entire population. Crude rates are the most easily computed and the most common descriptive measures used in vital statistics. They indicate in a general way variations between populations, but they are too broad to be used for specific interpretation.

INFANT MORTALITY RATE: The number of deaths of persons less than one year old per 1000 live births; the deaths and the births occur during the same period, which in this report is a calendar year.

NEONATAL MORTALITY RATE: The number of deaths of persons less than 28 days of age per 1000 live births occurring during the same calendar year.

FETAL MORTALITY RATE: The number of reported fetal deaths (and therefore of at least 20 weeks gestation) per 1000 deliveries, i.e., the sum of live births and fetal deaths occurring during the calendar year.

SPECIFIC RATE: A rate is 'specific' when it is defined in terms of a population's particular characteristics; that is, when it is used to describe the experience of a defined segment of the population. The most commonly used segments are age and sex groups. An AGE-SPECIFIC DEATH RATE, for example, is the number of deaths in a given age group divided by the total number of persons in that particular age group. Another example of a specific rate is the GENERAL FERTILITY RATE (RATIO) which relates number of live births to a specific class of women of childbearing age (15 through 44 years).

ADJUSTED RATE: This is the most useful rate for evaluating trends and for comparing rates between areas which have different population compositions. Usually the adjustment is made for age and sex because populations often vary in respective proportion of these groups.

Adjusting a rate involves computing the current specific rates (of population segments) of an event and applying them to the appropriate segments of a standard population.

This gives the number of events per segment that would result if the current rates prevailed; the sum of these events is the number that would occur in the total standard population. This sum divided by the standard population is the adjusted rate. Thus, the age-specific death rates of Massachusetts and the nation in 1970 could each be applied to a standard population; the number dying at Massachusetts' rates could be compared to the number dying at the nation's rates, regardless of whether one area has a greater proportion of older persons than the other.

The standard population most often used for adjusting rates is the population enumerated in 1940. The census date does not matter when two geographic areas are compared, but it does matter when the purpose is trend analysis: in such an instance there is a need to remove the influence of changes in population composition, even within a single geographic unit.

As noted above, the adjustment of rates requires 'current' specific rates, and these in turn require a reliable population count in the denominator. In Table 7B in the main body of this book, the age-sex-color specific rates for cause of death are based upon the 1970 federal census of persons in Massachusetts. Table 7A shows the numbers of deaths (numerator) in each category, and Table 13 gives 1970 census counts (denominator) by age and sex group. The use of 1970 population data permits comparison of geographic units for which age-sex populations are available. The events reported occurred in 1975, but the changes in age-sex proportions since the federal census are not considered to be enough to invalidate such comparisons.



One remaining area of concern which affects the comparability of vital statistics information is the quality of the original data reported on the certificates. The Commonwealth has no real control over the responses given to such items as age, residence, and race, for example. This is not to suggest that these variables are meaningless for classifying the data, rather that some error may be present and that absolute certainty is not implied by statements made herein.

Finally, regarding the format of this report: separate sections contain data for, and some discussion of, Natality (including Fetal and Infant Deaths), Mortality, Marriages, and Divorces. These sections are followed by Tables 1-12, which contain the tabulated data on 1975 vital events. These have been selected and arranged to provide a maximum of general utility. The Appendix includes a title-list of unpublished tables which are available upon request from the Office of Health Statistics.

A general impression of the rates of occurrence of certain vital events in Massachusetts, New England, and the United States is conveyed by Table A on page 9, which gives the crude rates of events occurring within the respective boundaries.

These figures are compiled from the Monthly Vital Statistics Reports (Annual Summaries), 1970 through 1975, published by the National Center for Health Statistics, Rockville, Maryland. They indicate the general magnitude of the number of events occurring per 1000 population in the geographic units. Occurrence rates differ from residence rates, but they can be used to compare trends in the areas. In general, the trends are similar in that there has been a decrease since 1970 in all the events except divorces. (Divorce rates for New England are unavailable).

TABLE A  
Crude Occurrence Rates of Vital Events  
Massachusetts, New England, United States  
1970 through 1975

|               | <u>Massachusetts</u> |      |      |      |      |      | <u>New England</u> |      |      |      |      |      | <u>United States</u> |      |      |      |      |      |
|---------------|----------------------|------|------|------|------|------|--------------------|------|------|------|------|------|----------------------|------|------|------|------|------|
|               | 70                   | 71   | 72   | 73   | 74   | 75   | 70                 | 71   | 72   | 73   | 74   | 75   | 70                   | 71   | 72   | 73   | 74   | 75   |
| Births        | 16.4                 | 15.7 | 13.3 | 12.7 | 12.4 | 11.8 | 16.9               | 15.7 | 13.8 | 12.9 | 12.6 | 12.0 | 18.2                 | 17.3 | 15.6 | 14.9 | 14.9 | 14.8 |
| Deaths        | 9.9                  | 9.9  | 9.9  | 9.9  | 9.7  | 9.6  | 9.6                | 9.6  | 9.6  | 9.6  | 9.4  | 9.1  | 9.4                  | 9.3  | 9.4  | 9.4  | 9.2  | 9.0  |
| Infant Deaths | 16.4                 | 17.1 | 17.4 | 15.6 | 14.2 | 13.4 | 16.8               | 16.6 | 17.0 | 15.4 | 14.5 | 13.8 | 19.8                 | 19.2 | 18.5 | 17.7 | 16.7 | 16.1 |
| Marriages     | 8.3                  | 8.4  | 8.2  | 8.0  | 7.6  | 7.2  | 8.8                | 8.8  | 8.8  | 8.8  | 8.3  | 7.9  | 10.7                 | 10.6 | 10.9 | 10.9 | 10.5 | 10.0 |
| Divorces      | 1.9                  | 2.2  | 2.5  | 2.5  | 2.8  | 2.8  | Data Unavailable   |      |      |      |      |      | 3.5                  | 3.7  | 4.0  | 4.4  | 4.6  | 4.8  |

Note: These rates are graphically compared in Figure 1.

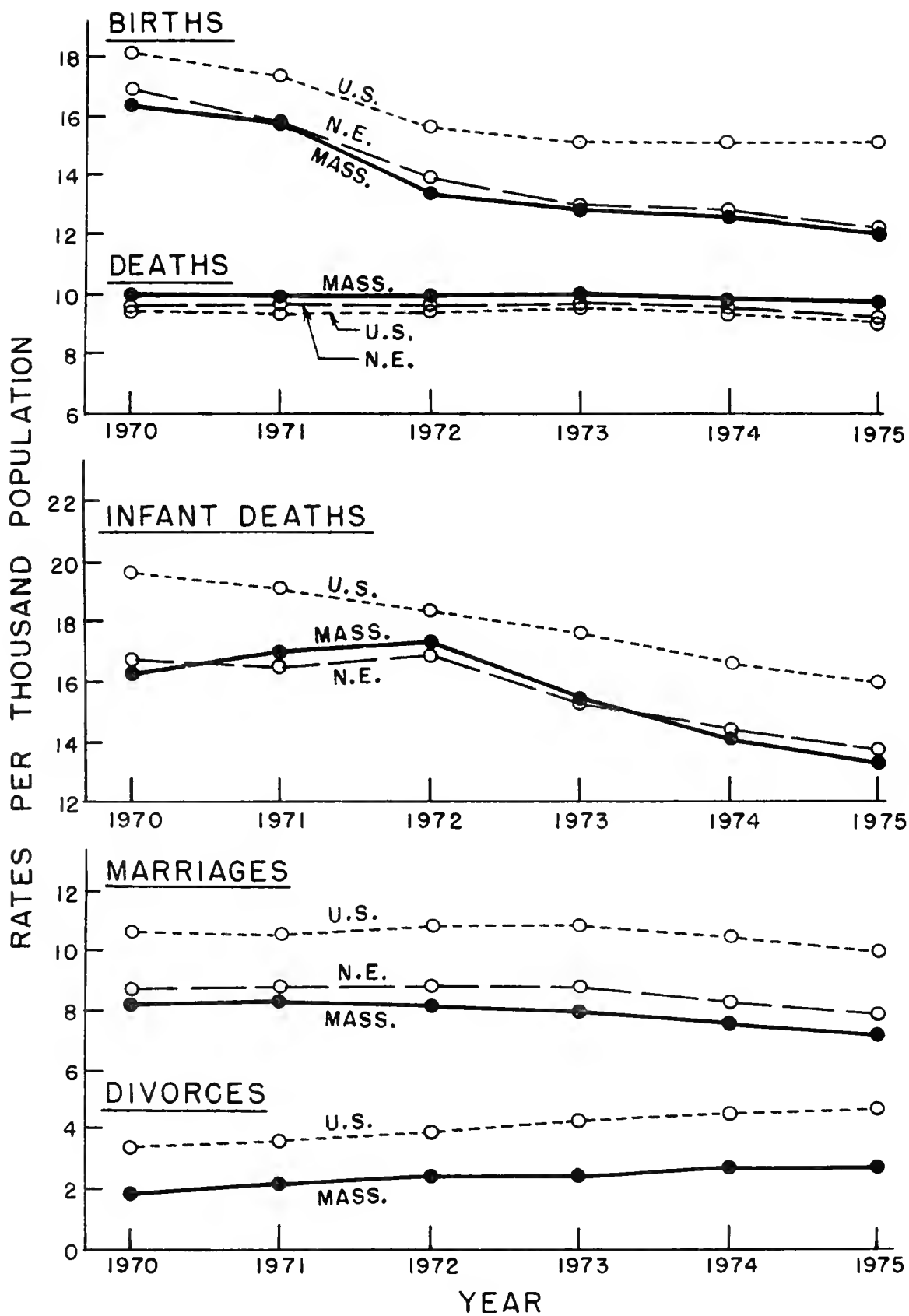


FIGURE 1: Comparison of Crude Occurrence Rates for Massachusetts, New England, and United States 1970-1975

## NATALITY

The number of births to residents of Massachusetts, and the nation, continued to decline in 1975. Regrettably, an analysis of the factors which may affect the decreasing birth rate lies beyond the scope of this report. Consideration, however, of the birth and general fertility rates in Massachusetts and the United States over the past 35 years reveals a similarity in trend (Table B).

TABLE B

Crude Birth and Fertility Rates for  
Massachusetts and the United States  
1970-1975

(See pp. 5-7 for definitions of rates).

| <u>Year</u> | <u>Crude Birth Rate</u> |             | <u>Fertility Rate</u> |             |
|-------------|-------------------------|-------------|-----------------------|-------------|
|             | <u>Mass.</u>            | <u>U.S.</u> | <u>Mass.</u>          | <u>U.S.</u> |
| 1940        | 15.1                    | 19.4        | 62.3                  | 79.9        |
| 1950        | 20.4                    | 24.1        | 90.5                  | 106.2       |
| 1960        | 22.1                    | 23.7        | 112.3                 | 118.0       |
| 1970        | 16.4                    | 18.2        | 80.2                  | 87.9        |
| 1975*       | 11.8                    | 14.8        | 52.5                  | 66.7        |

\*The U.S. rates are taken from publications of the National Center for Health Statistics; the 1975 rates are based upon provisional totals for the nation and estimates of the population. The Massachusetts birth rate is based upon a 1975 population of 5,790,478 reported by the state census; the fertility rate is based upon an estimate of 1,296,000 women aged 15 through 44 years.

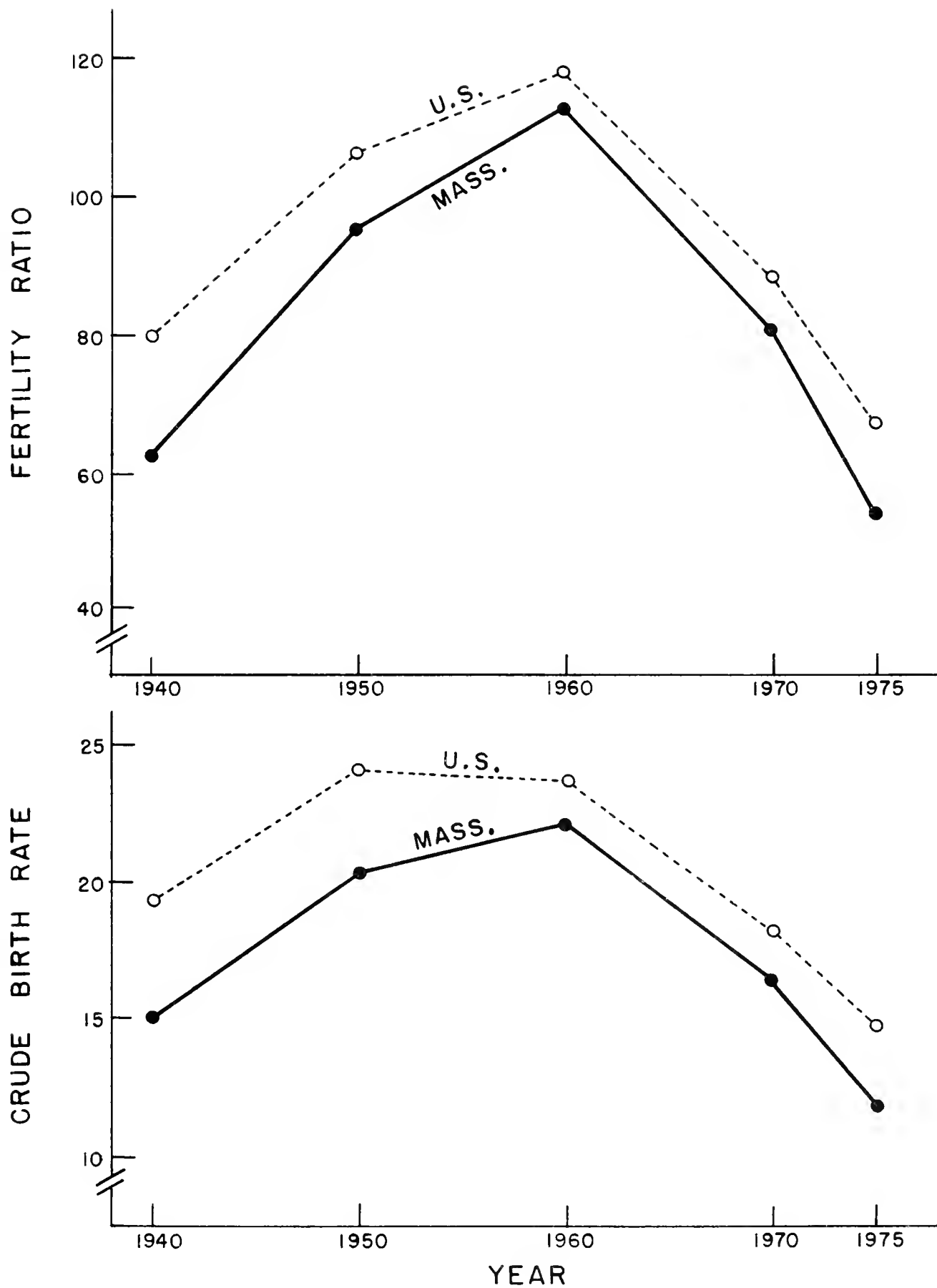


FIGURE 2: Crude Birth Rates and Fertility Rates, Massachusetts and United States 1940-1975

For each rate in Table B the Massachusetts value is less than the nation's, but the same pattern exists for both the state and the country, as is portrayed in Figure 2 on page 13. In 1970 the National Center for Health Statistics referred to the increasing proportion of women of child-bearing age and predicted that the annual number of births would soon increase, "unless the fertility rates fall well below their present levels"; if the total births in the United States in 1975 were 3,500,000, "the fertility rate's decline would represent a marked departure from past experience".\* Provisional data for 1975 indicate that the number of the country's births was 3,149,000.\*\*

The sharper decrease in the general fertility rate of Massachusetts is accounted for by the declines in the age-specific birth rates shown in Table C. (These rates are the numbers of births per 1000 mothers in specified age groups for given years).

TABLE C

Age-Specific Birth Rates of Massachusetts Mothers

| <u>Age of mother</u> | <u>1970</u> | <u>1975</u> |
|----------------------|-------------|-------------|
| 15-19 years          | 39.1        | 29.3        |
| 20-24 "              | 136.9       | 77.6        |
| 25-29 "              | 154.8       | 99.8        |
| 30-34 "              | 85.7        | 54.9        |
| 35-39 "              | 38.2        | 19.8        |
| 40-44 "              | 9.3         | 4.9         |

\*Natality Statistics Analysis, United States, 1965-1967. National Center for Health Statistics; Series 21, No. 19, Rockville, Md. May, 1970.

\*\*Monthly Vital Statistics Report, Annual Summary for the United States, 1975: National Center for Health Statistics; Vol. 24, No. 13. June 30, 1976.

These data suggest that, despite an increasing proportion of Massachusetts women aged 15-44 years, an increase in the annual number of resident births in the near future is unlikely.

The age-specific births necessary for calculating Massachusetts fertility rates can be found in Table 3 in the report itself. This table is also the source of information characterizing the mothers by age and marital status and the babies by weight. The median age of all mothers in 1975 was 25.9 years, up slightly from the median of 25.5 years in 1970; the percentage of teen-aged mothers increased from 11.0 to 12.7 during that period; the percentage of illegitimate births increased also, from 7.2 to 10.3. The median birthweight and the percentage of immature birthweights were 3327 grams and 6.9, respectively, in 1975; in 1970 the totals were 3298 grams and 7.4.

The point of interest here is not the slight change in these measures since 1970 but the marked contrast between wed and unwed mothers and their babies. In 1975 the median age of married mothers was 26.4 years as compared to 20.4 years for unmarried mothers; teen-agers were 8.6 per cent of the former and 47.3 per cent of the latter. Further examination of Table 3 shows that a relationship between marital status and birthweight exists. Among married mothers less than 20 years old, the median birthweight was 3266 grams and the per cent of immature births was 8.5; among the unmarried mothers of the same age group, the median birthweight was 3165 grams and the per cent of immature births was 12.2.

Factors such as mother's marital status and age, and weight of baby are interrelated and can have a bearing upon the problem of providing care for unwed mothers and their babies.

An unpublished table gives information found in Table 3 for each of the areas served by the new Health Systems Agencies. A set of relevant data for unwed mothers is presented in Table D for comparison among the six areas and the State.

TABLE D

| <u>Unwed Mothers</u>                                      | <u>Health Service Areas</u> |          |           |            |           |          |           |
|---|-----------------------------|----------|-----------|------------|-----------|----------|-----------|
|   | <u>State</u>                | <u>I</u> | <u>II</u> | <u>III</u> | <u>IV</u> | <u>V</u> | <u>VI</u> |
| Per cent of<br><u>all</u> mothers                         | 10.3                        | 10.9     | 9.3       | 9.1        | 11.6      | 8.4      | 7.3       |
| Median age (yrs.)   | 20.4                        | 19.7     | 19.8      | 19.9       | 20.5      | 20.0     | 20.5      |
| Median weight<br>of baby (grams)                          | 3181                        | 3183     | 3172      | 3214       | 3115      | 3186     | 3196      |
| Immature babies;<br>per cent of ill-<br>legitimate births | 11.9                        | 12.0     | 13.7      | 11.3       | 12.6      | 12.1     | 11.1      |
| Mothers less than<br>20 years old;<br>per cent of unwed   | 47.3                        | 53.4     | 52.1      | 50.9       | 46.6      | 49.9     | 46.2      |

With regard to infant mortality both Massachusetts and the nation improved over the 1970-1975 period. Data from Table 2 in the report and information available from the National Center for Health Statistics permit the comparisons in Table E of deaths per 1000 live births during the calendar years of 1970 and 1975. (Note that the fetal death rate includes fetal deaths and live births in the denominator).



TABLE E

Mortality Rates Among Infants

| <u>Deaths</u> | <u>Massachusetts</u> |             | <u>United States</u> |               |
|---------------|----------------------|-------------|----------------------|---------------|
|               | <u>1970</u>          | <u>1975</u> | <u>1970*</u>         | <u>1975**</u> |
| Fetal         | 11.4                 | 9.5         | 14.0                 | ----          |
| Neonatal      | 13.2                 | 10.0        | 15.1                 | 11.8          |
| Infant        | 16.9                 | 13.3        | 20.0                 | 16.1          |

\*Vital Statistics of the United States, 1970; Vol. II-Mortality; Part A. National Center for Health Statistics. 1974

\*\*Monthly Vital Statistics Report, ibid.

To avoid the tendency of treating neonatal and infant mortality as two independent phenomena, the obvious should be stated, i.e., about three-fourths of the infant deaths are neonatal. Data from Table 2C has been used to prepare Table F, in which mortality rates for the state and the six Health Service Areas are presented. The post-neonatal mortality rate is the difference between the infant and neonatal death rates, and it is included to emphasize its existence.

TABLE F

1975 Neonatal, Post-neonatal, and Infant Mortality Rates  
(Deaths per 1000 live births)

| <u>Deaths</u> | <u>Health Service Areas</u> |          |           |            |           |          |           |
|---------------|-----------------------------|----------|-----------|------------|-----------|----------|-----------|
|               | <u>State</u>                | <u>I</u> | <u>II</u> | <u>III</u> | <u>IV</u> | <u>V</u> | <u>VI</u> |
| Neonatal      | 10.0                        | 9.1      | 8.4       | 10.1       | 9.7       | 11.3     | 11.4      |
| Post-neonatal | 3.3                         | 3.0      | 4.0       | 2.6        | 3.1       | 4.2      | 2.6       |
| Infant        | 13.3                        | 12.1     | 12.4      | 12.7       | 12.8      | 15.5     | 14.0      |

The goal of many public and private agencies is to prevent fetal, neonatal, and infant deaths where possible, through adequate prenatal care for

expectant mothers and access to proper facilities and care for the babies. The three types of deaths—fetal, neonatal, and post-neonatal—differ with respect to underlying causes, as well as other factors, including the patient, the means of intervention, facilities and personnel involved, etc. Answers to all questions cannot be provided by vital statistics, which has knowledge of only the unsuccessful attempts to save young lives. However, it has always been necessary to know the extent to which these events are occurring, and where, in the state.

Information from Tables 6 and 9 has been brought together to show the leading causes of fetal, neonatal, and post-neonatal deaths, and these causes, with their respective percentages, are listed in Table G below.

TABLE G  
Per Cent of Total Deaths Due to Cause by Type of Death  
(Total deaths in parentheses)

| <u>Cause</u>   | <u>Fetal</u><br>(653) | <u>Neonatal</u><br>(678) | <u>Post-neonatal</u><br>(225) |
|--|-----------------------|--------------------------|-------------------------------|
| Congenital anomalies                                 | 6.1                   | 16.8                     | 25.3                          |
| Conditions of placenta, umbilicus; hemolytic disease | 42.7                  | 9.7                      | 0.4                           |
| Anoxia/hypoxia                                       | 17.5                  | 29.6                     | 2.7                           |
| Termination of pregnancy                             | 8.3                   | 0.0                      | 0.0                           |
| Immaturity   | 4.3                   | 17.0*                    | 0.0                           |
| Sudden Infant Death Syndrome                         | ---                   | 0.7                      | 23.1                          |
| Respiratory disease                                  | ---                   | 1.9                      | 20.9                          |

(These percentages do not add to 100.0 because this is a list of selected, not exhaustive, major causes).

\*Neonatal deaths due to immaturity include some abortions, the exact number are available upon request.

When the conditions of the placenta and the umbilical cord are deleterious, or hemolytic disease is present, the victim is usually the fetus. Lack of enough oxygen (anoxia, hypoxia) also caused a significant number of fetal deaths.

Abortions are legal in Massachusetts and the numbers performed are reported monthly by hospitals to the Office of Health Statistics. Semi-annual compilations of the numbers of abortions performed per facility are available to the public.

About one-fourth of the neonatal deaths caused by congenital anomalies were due to neural-tube defects, i.e., anencephaly, spina bifida, and congenital hydrocephaly. Many of the congenital malformations of the heart and other major systems can be corrected surgically, although no data are available to indicate how many lives have been saved by this procedure. The leading cause of neonatal deaths was anoxia/hypoxia conditions, accounting for 30 per cent of the total. In 1970 these conditions caused the deaths of 35 percent of the 56,279 neonatal deaths in the United States; and 96 percent of the anoxia/hypoxia deaths occurred during the first week, while presumably, the baby was still in the hospital.

The leading cause of death among post-neonatal fatalities was the still unexplained "sudden infant death syndrome". Since these babies were at least one month old, presumably most of them had gone home from the hospital of birth. The other major cause of post-neonatal death was respiratory conditions/diseases. In 1970 among 352 post-neonatal deaths in Massachusetts, almost 45 per cent were due to respiratory problems; in 1975 the comparable percentage was 21, indicating that efforts to counter this particular cause of death are encouragingly successful.

These facts are presented simply as information and as exemplifying data available from the Office of Health Statistics. Implications for further research and/or program development are left to professionals with the proper expertise.

## MORTALITY

The death rates for residents of Massachusetts and the United States have both declined since America's entry into World War II. Table H below shows similar trends for the state and the nation.

TABLE H

Death Rates (Deaths per 100,000 Population)

Massachusetts and United States

1940-1975

| <u>Year</u> | <u>Crude Rates</u>   |                      | <u>Age-Adjusted Rates</u> |                      |
|-------------|----------------------|----------------------|---------------------------|----------------------|
|             | <u>Massachusetts</u> | <u>United States</u> | <u>Massachusetts</u>      | <u>United States</u> |
| 1940        | 11.7                 | 10.8                 | 10.3                      | 10.8                 |
| 1950        | 10.7                 | 9.6                  | 7.8                       | 8.4                  |
| 1960        | 11.0                 | 9.5                  | 7.5                       | 7.6                  |
| 1970        | 10.0                 | 9.5                  | 6.8                       | 7.1                  |
| 1975        | 9.3                  | 9.0                  | 6.0                       | Not Available        |

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(See introduction, p.p. 6-7, for definitions of crude and age-adjusted death rates. The rates for Massachusetts are calculated from data in previous Annual Reports of Vital Statistics; those for the United States are from Vital Statistics of the United States, 1970; Vol. II-Mortality, Part A, National Center for Health Statistics, Rockville, Md. 1974).

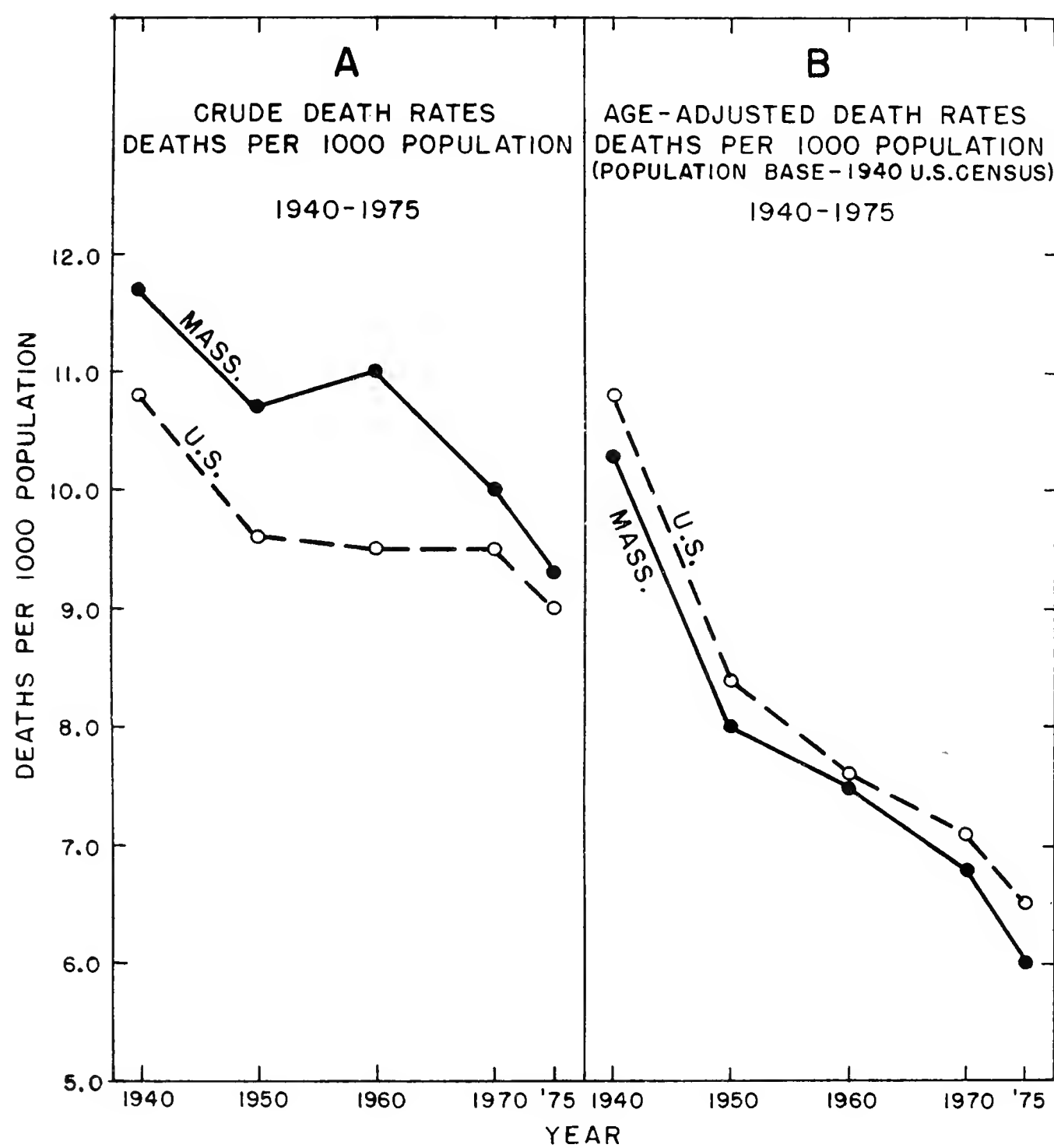


FIGURE 3A: Crude Death Rates per 1000 Population, Massachusetts and the United States, 1940-1975

FIGURE 3B: Age-Adjusted Death Rates per 1000 Population, Massachusetts and the United States, 1940-1975

These data also demonstrate the importance of refined (age-adjusted) rates to avoid the unwarranted inferences which can be drawn from crude rates. Figure 3A (page 22) illustrates clearly that a higher percentage of Massachusetts' residents die annually than is true for the nation. The lower age-adjusted Massachusetts death rates shown in Figure 3B, however, suggest that death actually was delayed more effectively in the state; that is, the greater proportion of this state's residents' dying was due to a larger proportion of residents likely to die. There are two age groupings among whom the risk of dying is high: the very young (infants) and the elderly. Massachusetts has consistently had a slightly greater proportion of older persons than the nation as a whole. Comparisons of proportions of age-groups in the populations of Massachusetts and the United States are shown in Figure 4: they reveal that Massachusetts has had a larger percentage of persons over 40 years of age, but that by 1975 the percentages were nearly equal for each group. The Massachusetts rate of deaths, however, has been lower for each age category below 65 since 1940, and in 1975 the rate in Massachusetts was lower than the nation's for the over 65 group as well (see Figure 5).

Generally then, for both the state and the nation, death rates have followed a decreasing trend. Inasmuch as Massachusetts ranks above the nation's average in several socioeconomic categories, the state's lower age-specific death rates are not surprising.

The population can be expected to age proportionately over the next few years. The marked decrease in the number of births in Massachusetts since 1970 lowers the percentage of children and youths in the population and this, conversely, increases the average age of the population.

It follows that the leading causes of death may be expected to remain the same, since they take their toll generally among older persons. The ten leading causes of death in Massachusetts and the United States for 1975 and 1970 are listed, with respective percentages of total deaths, in Table I below. Little difference will be found between the state and the nation over the 1970-1975 period.

TABLE I

Leading Causes of Death: Massachusetts and United States - 1975, 1970

|                                     | <u>1975</u>     |             |                 |             | <u>1970</u>     |             |                 |             |
|-------------------------------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|-----------------|-------------|
|                                     | <u>Mass.</u>    |             | <u>U.S.</u>     |             | <u>Mass.</u>    |             | <u>U.S.</u>     |             |
|                                     | <u>Per cent</u> | <u>Rank</u> | <u>Per cent</u> | <u>Rank</u> | <u>Per cent</u> | <u>Rank</u> | <u>Per cent</u> | <u>Rank</u> |
| Heart Disease                       | 39.3            | 1           | 37.8            | 1           | 40.2            | 1           | 38.3            | 1           |
| Cancer                              | 21.6            | 2           | 19.5            | 2           | 18.6            | 2           | 17.2            | 2           |
| Stroke                              | 9.6             | 3           | 10.2            | 3           | 10.1            | 3           | 10.8            | 3           |
| Accidents                           | 4.3             | 4           | 5.3             | 4           | 4.2             | 5           | 6.0             | 4           |
| Influenza/<br>pneumonia             | 4.0             | 5           | 3.0             | 5           | 4.4             | 4           | 3.3             | 5           |
| Diabetes<br>mellitus                | 1.9             | 6           | 1.9             | 6           | 2.2             | 6           | 2.0             | 7           |
| Cirrhosis<br>of liver               | 1.9             | 7           | 1.7             | 7           | 2.0             | 7           | 1.6             | 9           |
| Arterio-<br>sclerosis               | 1.4             | 8           | 1.5             | 8           | 1.5             | 10          | 1.6             | 8           |
| Bronchitis,<br>emphysema,<br>asthma | 1.1             | 9           | 1.3             | 11          | 1.6             | 9           | 1.6             | 10          |
| Suicide                             | <u>1.1</u>      | 10          | <u>1.4</u>      | 10          | <u>0.9</u>      | 11          | <u>1.2</u>      | 11          |
|                                     | 100.0           |             | 100.0           |             | 100.0           |             | 100.0           |             |
| All others                          | 13.8            |             | 16.4            |             | 14.3            |             | 16.4            |             |

(The 11th ranking cause in Massachusetts in 1975 was "Certain Causes of Perinatal Mortality" which accounted for slightly less than one per cent



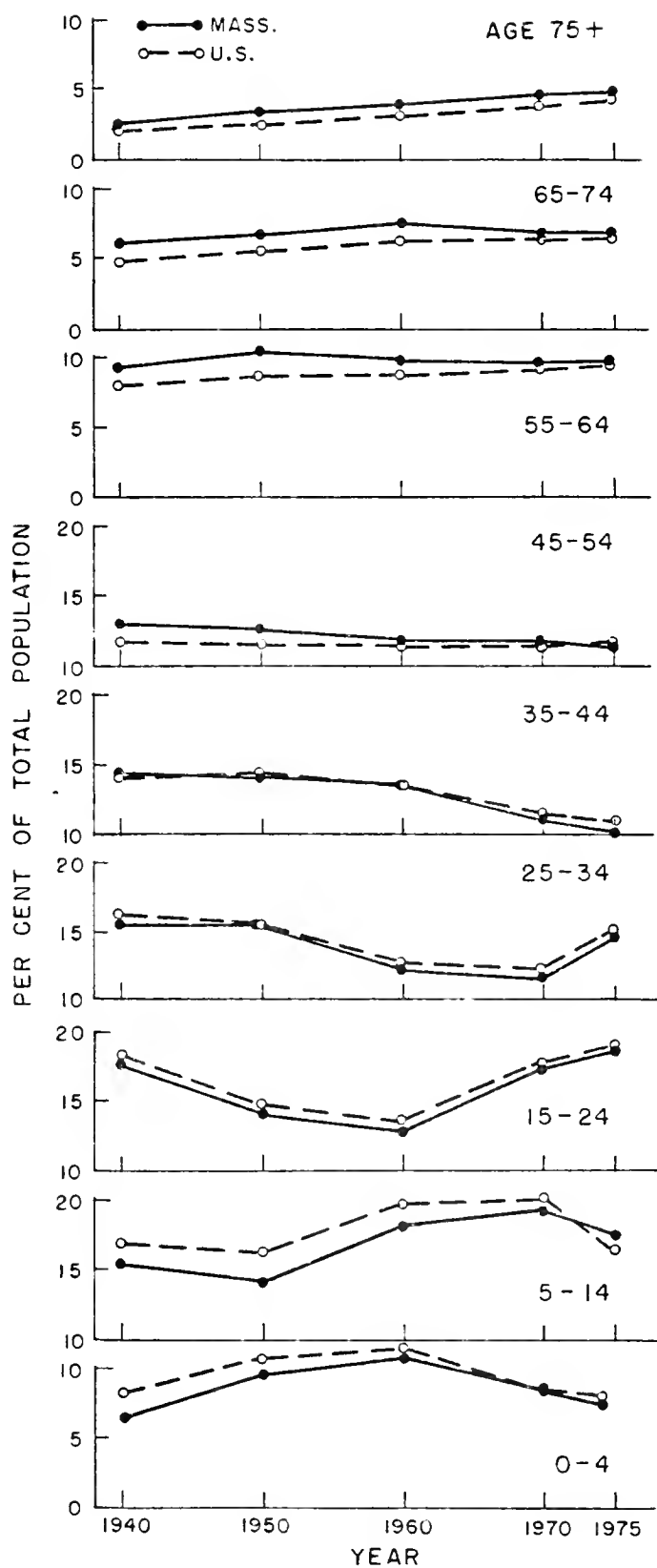


FIGURE 4:

Age Groups as Percentages of Total Population, Massachusetts and the United States, 1940-1975

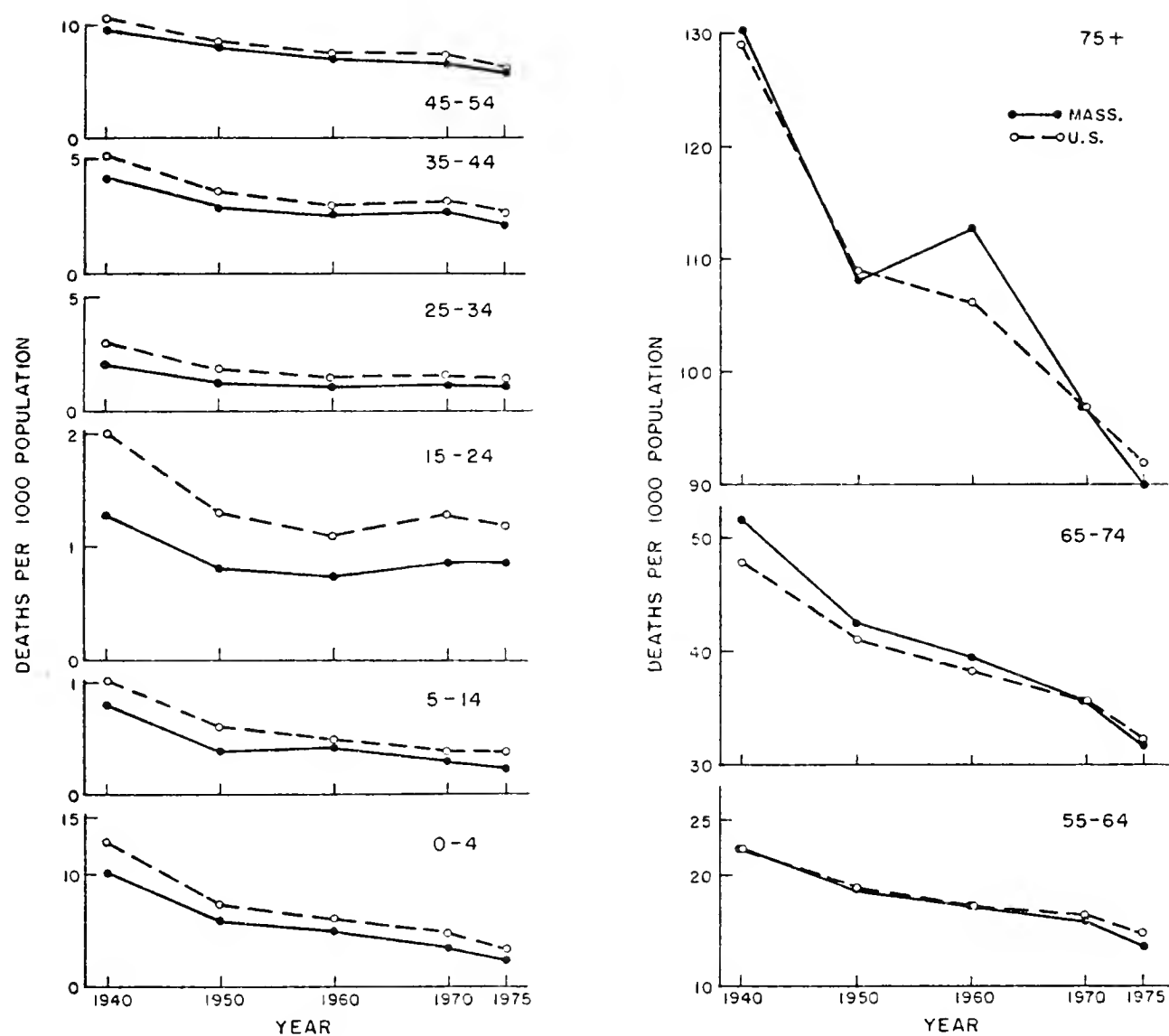


FIGURE 5: Death Rates per 1000 Population by Age Group, Massachusetts and the United States, 1940-1975

of the total deaths. It was the 9th ranking cause for the nation in 1975. In 1970 this particular set of causes ranked eighth in Massachusetts and sixth in the United States).

Table J, the leading causes of death in 1975 ranked in the six Massachusetts Health Service Areas, is derived from data found in Table 8C of the main body of this report.

TABLE J

## Leading Causes of Death: State and Health Service Areas

(Per cent of Total Deaths in Area)

|                                     | 1975         |          |           |            |           |          |           |
|-------------------------------------|--------------|----------|-----------|------------|-----------|----------|-----------|
|                                     | <u>Areas</u> |          |           |            |           |          |           |
|                                     | <u>State</u> | <u>I</u> | <u>II</u> | <u>III</u> | <u>IV</u> | <u>V</u> | <u>VI</u> |
| Heart Disease                       | 39.3         | 38.5     | 41.7      | 40.7       | 38.5      | 39.5     | 39.3      |
| Cancer                              | 21.6         | 21.6     | 20.0      | 20.1       | 21.8      | 21.8     | 23.2      |
| Stroke                              | 9.6          | 10.6     | 9.6       | 10.0       | 8.6       | 10.3     | 10.1      |
| Accidents                           | 4.3          | 4.5      | 6.1       | 4.1        | 5.6       | 4.5      | 4.2       |
| Influenza/<br>pneumonia             | 4.0          | 3.4      | 3.8       | 3.6        | 4.9       | 3.3      | 3.5       |
| Diabetes<br>mellitus                | 1.9          | 2.5      | 1.7       | 1.8        | 1.8       | 2.3      | 1.7       |
| Cirrhosis<br>of liver               | 1.9          | 2.0      | 1.9       | 2.0        | 2.0       | 1.9      | 1.9       |
| Arterio-<br>sclerosis               | 1.4          | 1.7      | 1.6       | 2.5        | 1.0       | 1.5      | 1.2       |
| Bronchitis,<br>emphysema,<br>asthma | 1.1          | 1.1      | 1.2       | 1.0        | 1.0       | 1.2      | 1.2       |
| Suicide                             | 1.1          | 1.0      | 1.0       | 0.8        | 1.1       | 1.2      | 1.0       |

("Certain Causes of Perinatal Mortality" ranked 9th in Area III and 10th in Area V.)

The obvious relationship between death and age has been mentioned. This relationship also holds between causes of death and age and is demonstrated by the change in leading causes of death as the population ages.

Among Massachusetts residents over 60 years of age, the leading causes of death in 1975 were heart disease, cancer, stroke, and respiratory diseases (mostly pneumonia) as can be seen in Table 9 of this report. Among decedents 1 to 30 years old, accidents were the leading cause of death, and suicide claimed the lives of 1 in 8 among the 15-29 year olds who died.

The median age of the 53,708 persons who died in Massachusetts in 1975 was 73.5 years. The median age, in ascending order, of those who died of the leading causes were: suicide, 42.2; accidents, 47.7; cirrhosis of liver, 58.9; bronchitis, emphysema, and asthma, 67.5; cancer, 69.7; influenza and pneumonia, 74.6; heart disease, 76.0; stroke, 79.7; and arteriosclerosis, 81.6.

This discussion has focused on the causes of death; that is, among those who died, what causes were responsible? Another obvious question is "What is the relation of these diseases/conditions to the population as a whole?" A preliminary answer is given by the crude cause-specific rates presented in Table K.

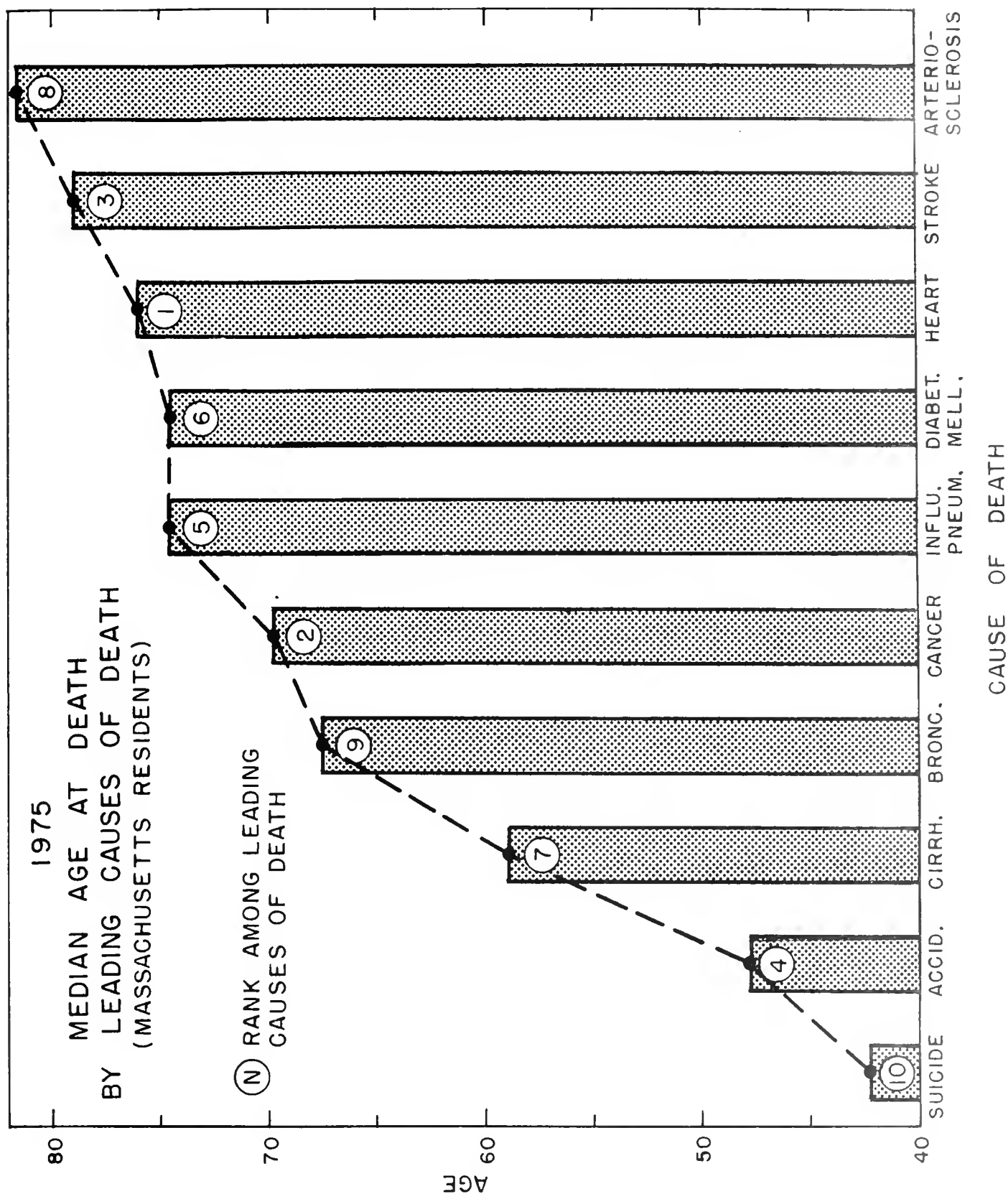


FIGURE 6: Median Age at Death by Leading Causes of Death, Massachusetts, 1975

TABLE K

Crude Death Rates for Leading Causes of Death  
(Death per 100,000 population)  
Massachusetts and United States: 1975, 1970

| <u>Cause</u>                        | <u>Massachusetts</u> |             | <u>United States</u> |             |
|-------------------------------------|----------------------|-------------|----------------------|-------------|
|                                     | <u>1975</u>          | <u>1970</u> | <u>1975</u>          | <u>1970</u> |
| Heart Disease                       | 364.5                | 402.7       | 339.0                | 362.0       |
| Cancer                              | 200.3                | 186.2       | 174.4                | 162.8       |
| Stroke                              | 88.9                 | 101.4       | 91.8                 | 101.9       |
| Accidents                           | 39.9                 | 42.0        | 47.6                 | 56.4        |
| Influenza/<br>pneumonia             | 37.4                 | 43.7        | 27.0                 | 30.9        |
| Diabetes<br>mellitus                | 18.0                 | 21.7        | 16.8                 | 18.9        |
| Cirrhosis<br>of liver               | 18.0                 | 19.9        | 15.1                 | 15.5        |
| Arterio-<br>sclerosis               | 13.0                 | 15.5        | 13.7                 | 15.6        |
| Bronchitis,<br>emphysema,<br>asthma | 10.1                 | 15.6        | 11.9                 | 15.2        |
| Suicide                             | 9.9                  | 9.0         | 12.6                 | 11.6        |
| TOTAL                               | 927.5                | 1000.9      | 896.1                | 945.3       |

These rates again reveal trends in Massachusetts and the United States which are similar. For eight of the causes, smaller proportions of the population died in 1975 than in 1970 for both the state and the country; the two consistent exceptions being cancer and suicide.. (These crude rates, using units of 100,000 population in the denominator, can be read as per cents by moving the decimal point 3 places to the left. Thus, in 1970 1.000 per cent of Massachusetts' population died; in 1975 heart disease killed .36per cent of the state's residents.)

While it is of interest to know that various causes are killing certain portions of the population, the immediate question becomes "What can be done about these death causes?" In this regard, a more meaningful measure of death is the age-adjusted cause-specific death rate, as presented in Table L.

TABLE L

## Age-Adjusted Death Rates for Leading Causes of Death

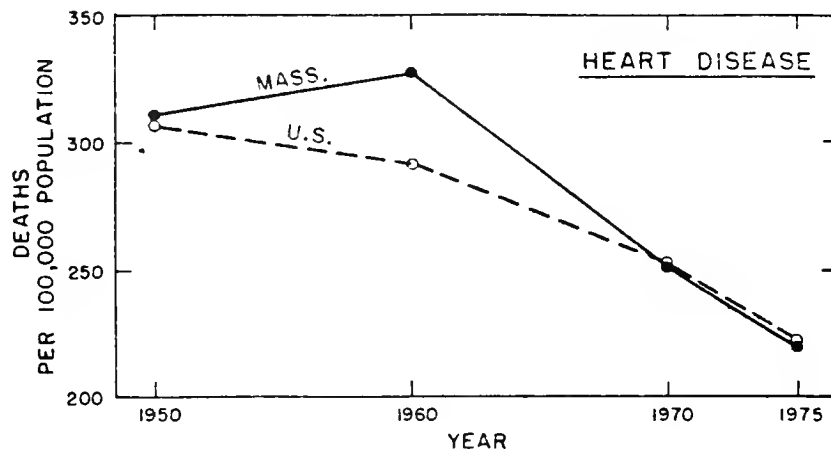
(Deaths per 100,000 population)

Massachusetts and United States: 1975, 1970, 1960, 1950

| <u>Cause</u>                        | <u>MASSACHUSETTS</u> |             |             |             | <u>UNITED STATES</u> |             |             |             |
|-------------------------------------|----------------------|-------------|-------------|-------------|----------------------|-------------|-------------|-------------|
|                                     | <u>1950</u>          | <u>1960</u> | <u>1970</u> | <u>1975</u> | <u>1950</u>          | <u>1960</u> | <u>1970</u> | <u>1975</u> |
| TOTAL                               | 796.0                | 753.6       | 675.3       | 597.9       | 841.5                | 760.9       | 714.3       | 653.7       |
| Heart Disease                       | 311.4                | 327.8       | 251.4       | 219.2       | 306.6                | 286.2       | 253.6       | 222.5       |
| Cancer                              | 135.1                | 135.0       | 133.5       | 137.0       | 125.4                | 125.8       | 129.9       | 132.7       |
| Stroke                              | 79.7                 | 73.0        | 58.8        | 48.2        | 88.8                 | 79.7        | 66.3        | 54.7        |
| Accidents                           | 41.6                 | 36.3        | 36.0        | 33.3        | 57.3                 | 49.9        | 53.7        | 43.9        |
| Influenza,<br>pneumonia             | 18.1                 | 34.4        | 27.7        | 21.0        | 26.2                 | 28.0        | 22.1        | 17.1        |
| Diabetes<br>mellitus                | 14.8                 | 12.5        | 14.1        | 11.0        | 14.3                 | 13.6        | 14.1        | 11.8        |
| Cirrhosis of<br>liver               | 11.0                 | 14.5        | 17.8        | 15.8        | 8.5                  | 10.5        | 14.7        | 14.0        |
| Arterio-<br>sclerosis               | 16.1                 | 12.8        | 7.7         | 6.0         |                      | 13.2        | 8.4         | 6.6         |
| Bronchitis,<br>emphysema,<br>asthma |                      |             | 10.6        | 6.3         |                      |             | 11.6        | 8.4         |
| Suicide                             | 8.5                  | 7.9         | 9.4         | 9.7         | 11.0                 | 12.2        | 11.8        | 12.6        |

The remainder of the discussion will treat in greater detail the relation of these major causes of death to the population.

Diseases of the Heart. Heart disease is by far the leading cause of death in the nation and responsible in Massachusetts for approximately 38-40 per cent of all deaths. Since 1960 however the rate of death due to heart disease has been declining. In the nation the decrease in the age-adjusted death rate of 286.2 in 1960 to 222.5 in 1975 amounted to a drop of 22.3 per cent; in Massachusetts the decline was even more dramatic, dropping from 327.7 to 219.2, a decrease of 33.1 per cent.

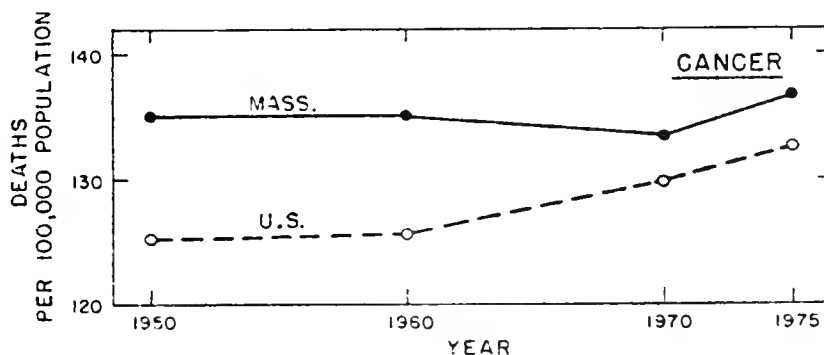


The reduction in the heart-disease death rate has occurred in each age group over 40 years, but most noticeably among the older groups, particularly for those past 75 whose age-specific death rate for this cause fell 33.2 per cent from 1960 to 1975.

Yet, in spite of reduced rates, the actual number of heart deaths is not likely to decrease greatly in Massachusetts because of the aforementioned increase in the number of older persons in the Massachusetts population. Heart disease decedents, however, have been dying at a later age since 1960; the median age at death then was 73.9 years, and in 1975 it was 76.0 years.

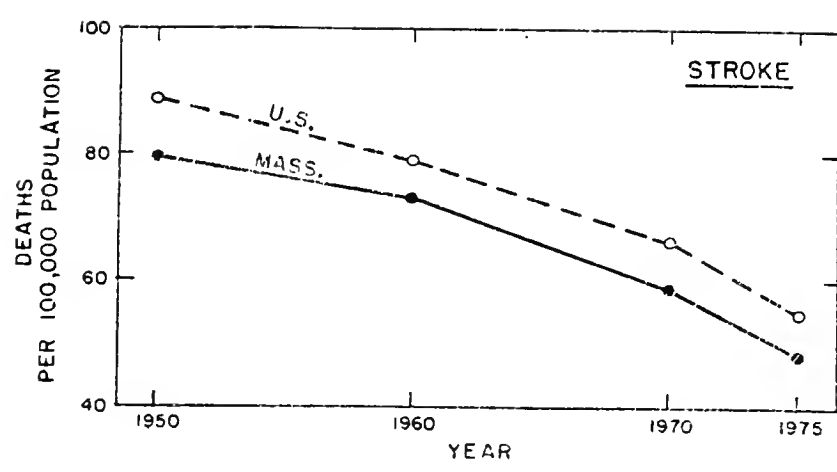


Cancer (malignant neoplasms). Deaths due to cancer have been increasing steadily in the nation, up a little more than 12 per cent since 1950. In Massachusetts the age-adjusted cancer death rate dropped 1.1 per cent between 1960 and 1970, but the 1975 rate was 2.5 per cent greater than the rate of five years ago.



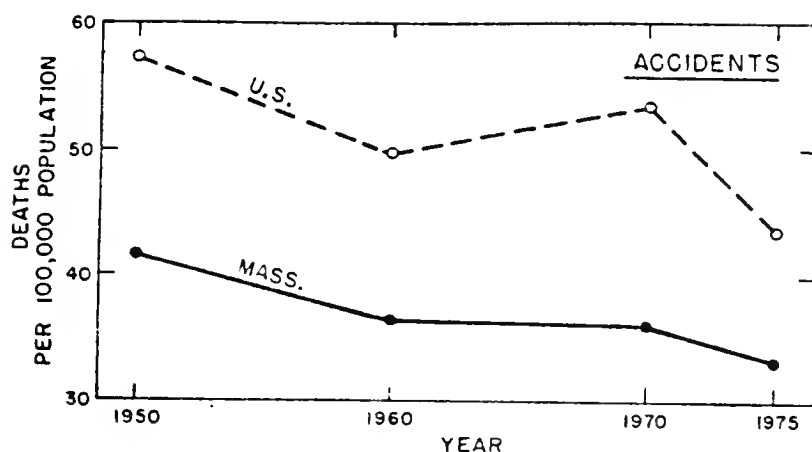
The effects upon specific age-groups were similar in the nation and the state; for those younger than 45 years, the rate decreased somewhat; for those 45 to 59, the rates were about the same; but for persons over 60, the death rate increased, particularly among those over 75 whose rate increased 11.3 per cent from 1970 to 1975. This is reflected in the increase in the median age of Massachusetts' cancer fatalities, from 67.8 years in 1960 to 69.7 years in 1975.

Stroke (cerebrovascular diseases). Mortality due to stroke has lessened in both the United States and in Massachusetts. The national age-adjusted death rate from this cause dropped between 1950 and 1975 from 88.8 per 100,000 population to 54.7, a decline of 38.4 per cent; in Massachusetts during the same period the rate fell 39.5 per cent, from 79.7 to 48.2.



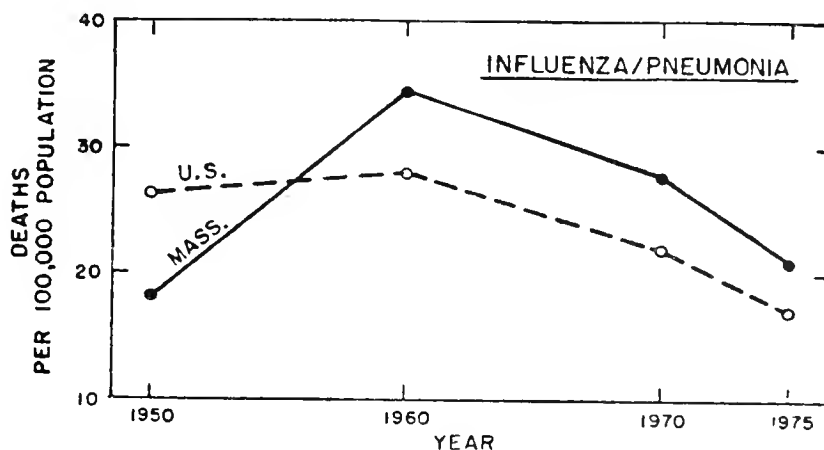
Rates for each of the age groups have declined in Massachusetts, especially among the 50-59 years olds. The median age of Massachusetts residents dying from stroke has increased from 76.5 years in 1960 to 79.7 years in 1975.

Accidents. Deaths due to accidents, particularly those involving motor vehicles, continue to be the fourth most numerous in Massachusetts and the nation. It is encouraging to note that age-adjusted death rates have been declining since 1950, more so in Massachusetts than in the nation as a whole, but the fact that accidents are preventable, and that the victims tend to be young, makes this particular cause of death a great concern. Since 1950 age-specific death rates due to accidents have dropped about 60 per cent among Massachusetts residents over 70 years old; and among children less than 5 years of age the rate has fallen about 64 per cent during the same period. But among persons 15 to 39 years old, a corresponding increase has occurred — 56.9 per cent, specifically. The age group 15 to 19 years deserves special attention: the accidental death rate for these teenagers has risen from 22.7 per 100,000 population in 1950 to 43.5 in 1975, an increase of almost 92 per cent!



The median age of accident victims in 1960 was 63.0 years; in 1975 it was 47.7 years. Of the 2310 accidental deaths occurring in Massachusetts in 1975, a little more than 38 per cent occurred to persons 15 to 39 years of age; and of the 2366 total deaths in that age group, 39 per cent were caused by accidents.

Influenza and Pneumonia. The general trend in mortality from influenza and pneumonia has been downward throughout the country. There was an increase in age-adjusted death rates between 1950 and 1960 for the nation, but the rise in Massachusetts seemed great primarily because of the remarkably low rate in 1950. Since 1960 the adjusted rate for the state has been slightly higher than that of the nation's, but the declining trends are almost identical.

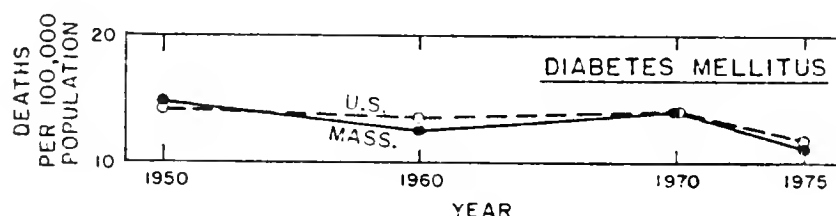


A precipitous decrease in the number of deaths caused by influenza and pneumonia occurred in the 1940s, largely as a result of the introduction of sulfa drugs in the thirties and antibiotics a few years later. Vaccines have been developed and are recommended for the protection of the elderly and other high-risk groups, such as those with chronic diseases, but vaccines have a relatively short-lived effect and offer little or no protection against a wholly new strain of influenza virus.

The grouping of influenza and pneumonia is not completely satisfactory, because the two diseases differ in their etiology, pathology, and clinical course. Influenza by itself has not been regarded as a fatal disease but rather as a debilitating infection which prepares the way for a secondary invader, most frequently, pneumonia. But for comparability over time and between geographic areas, the practice of combining the two diseases has been recommended and continued by the National Center for Health Statistics, even though the number of deaths actually caused by influenza is almost negligible compared to that due to pneumonia.

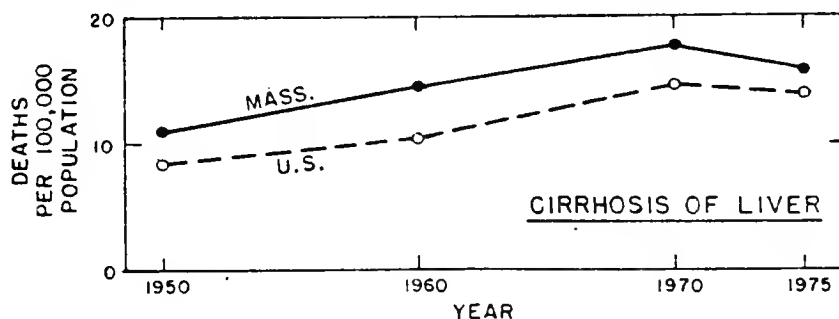
The median age of those dying from influenza/pneumonia in Massachusetts has not changed dramatically, hovering around 74 years.

Diabetes mellitus. The death rate due to diabetes fluctuated within a fairly narrow range and approximated 14 deaths per 100,000 population for both the United States and the Commonwealth until 1970. Between that year and 1975 age-adjusted rates have declined 16.3 per cent in the nation and 22.0 per cent in Massachusetts.



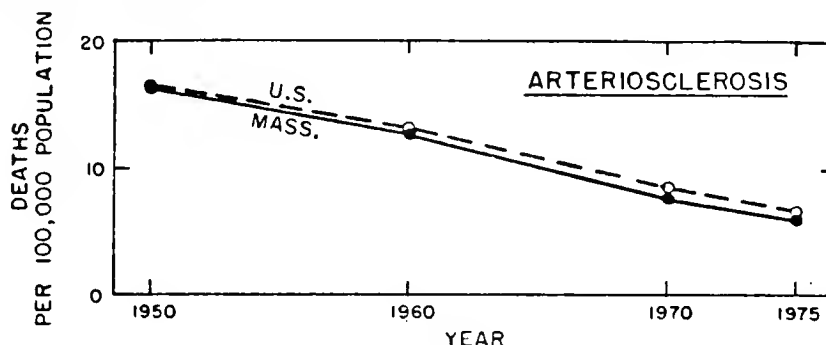
In both populations diabetes mellitus accounted for approximately 2 per cent of all deaths. Age-specific diabetes death rates declined between 1970 and 1975 in Massachusetts for all age groups over 40 years of age except 60-64 year-olds. The sharpest drop, 33 per cent, occurred among persons 70-74 years of age, from 130.8 per 100,000 to 87.8. The median age of Massachusetts decedents rose from 72.3 years in 1960 to 74.6 years in 1975.

Cirrhosis of the liver. The U.S. death rate for this cause rose slowly from the mid-thirties to peak in 1973 at an adjusted rate of 15.0 per 100,000. The age-adjusted rate for Massachusetts has exhibited the same trend, although a slightly higher proportion of this state's residents have succumbed to cirrhosis of the liver than has been true for the rest of the nation.



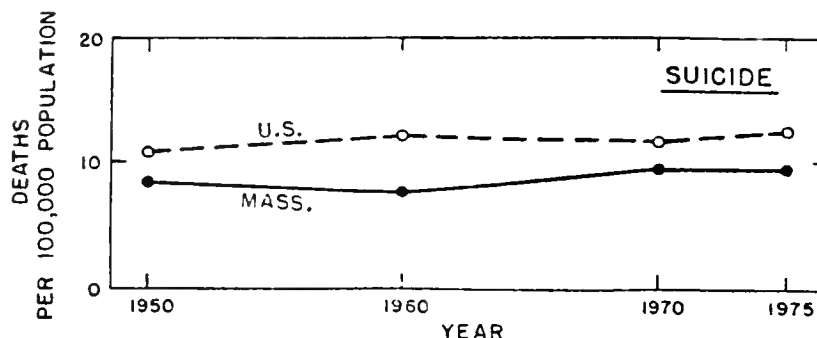
For age groups under 25 years, cirrhosis is a minor cause of death, but with increasing age the rate rises steeply. In Massachusetts the rate is highest among persons 50-69 years old, and the age group 55-59 years experienced the most pronounced increase between 1950 and 1970, from 27.2 per 100,000 to 70.0, a jump of 157 per cent. Since 1970, though, the rates have decreased for all age groups under 65 years. The median age of those dying from cirrhosis increased 1.5 years between 1960 and 1975, from 57.4 to 58.9 years.

Arteriosclerosis. Mortality attributed to this cause has been decreasing in Massachusetts, as well as in the country as a whole. Since 1960, the age-adjusted death rate has declined 113 per cent in the state and 100 per cent in the nation. This change is suspected as being an artifact, however, as noted in the Annual Summary for the United States, 1975: "Part of this decrease in deaths assigned to this cause may be associated with the modification of the first selected underlying cause that provided for the tabulation of some reported manifestation of the aging or disease process rather than a generalized disease such as arteriosclerosis".



Regardless of the possible inconsistencies in reporting, mortality from arteriosclerosis continues to be associated with the elderly. Since 1960 approximately 95 per cent of the arteriosclerosis-caused deaths occurred at ages 65 years or over, both in the state and nation. In Massachusetts the median age at death for this cause was 83.4 years in 1960, 84.4 in 1970, and 81.6 in 1975.

Suicide. Age-adjusted suicide rates for the nation have been approximately 12 per 100,000 population between 1950 and 1975. In Massachusetts the adjusted rate dipped slightly in 1960 but has risen slightly since then. The adjusted rates for the state, however, tend to fall an average of 22 per cent lower than the nation's suicide rates.



A fact not evident in these rates is that the practice has been increasing alarmingly among the young. For the United States as a whole the present upturn in suicide for young people began in 1957, when the rate for persons 15-24 years old was 4 per 100,000; in 1975 the rate for this group was 12.2, an increase of more than 200 per cent in eighteen years.

Suicide trends by age group in Massachusetts are just as dramatic. Among older persons suicides have decreased remarkably. In this state there were 570 suicides in 1940 and 572 in 1975; 53 per cent were aged 50 years or older in 1940, but only 37 per cent were as old 35 years later. Among persons 75 years and older the age-specific suicide rate fell 69 per cent from 30.0 per 100,000 to 9.4 between 1940 and 1975; for those aged 60-64 years, the rate decreased 59 per cent.

Between 1940 and 1960, suicide rates for 15-19 year olds and 20-29 year olds were stable, approximately 2.0 and 7.5 per 100,000, respectively. In the 15-19 group the suicide rate rose from 1.9 in 1960 to 4.7 in 1970 to an estimated rate of 5.5 in 1975--an increase of almost 200 per cent in fifteen years. Persons in their twenties committed suicide at the rate of 7.4 per 100,000 in 1960, 11.4 in 1970, and 15.1 (estimated) in 1975, an approximate rate increase of more than 100 per cent. Table 9 in the main body of this report reveals that in 1975 suicide was second only to accidents as the leading cause of death among persons 15-29 years of age; about 1 in every 8 deaths was recorded as a suicide. And suicides are probably under-reported!

"Because of the social stigma attached to suicide and the difficulty in determining in certain cases whether death was actually due to suicide rather than accident, many self-inflicted deaths are not reported as such".\*

Bronchitis, emphysema, and asthma. These three causes were classified together in the 8th Revised Edition of the ICDA codes for underlying cause of death; consequently, comparable data are lacking for calculating age-adjusted death rates due to this cause in 1950 and 1960.

These causes, as a group, ranked as leading cause of death in both Massachusetts and the United States in 1970 and 1975 (see Table L). The state's rates were less than the nation's in each year, and the reduction in rates between the two years was somewhat better for Massachusetts residents. Of the three disease entities, emphysema takes the largest toll, approximately three-fourths of the category's total deaths. This cause, too, is responsible for the deaths among older people; more than 76 per cent of its victims in Massachusetts in 1975 were older than 65 years of age.

\*Notes and References 2.



## MARRIAGE AND DIVORCE

The trend in marriages since 1940 has been very similar in the United States and in Massachusetts, even though the rate in the Commonwealth has been approximately 25% lower than the nation's. During World War II the number of marriages leaped upward throughout the country, but by 1950 the rate had subsided. In 1960 the rates for the nation and state were even lower, but trends rose again during the 1960s, a period in which the country was engaged in another war. Since 1972 marriages have been declining; in Massachusetts the 42,103 marriages in 1975 were almost 13 per cent fewer than the 48,189 in 1972.

Trends in divorce have also been similar to those reported nationally. Unlike marriages, divorces have steadily increased over the same period of time except for a slight decrease between 1950 and 1960, a fact which can be partially explained by the severity of divorce laws in Massachusetts during that period, which resulted in many people's seeking divorce outside the state.

Both marriage and divorce data reflect Massachusetts occurrence as opposed to residence. The marriage and divorce data presented in Tables 11 and 12 of this report are marriages solemnized in Massachusetts and divorces granted in Massachusetts courts.

TABLE M

## Marriage and Divorce Rates Per Thousand Population

|      | <u>Marriage</u>       |                            |      | <u>Divorce</u>        |                           |      |
|------|-----------------------|----------------------------|------|-----------------------|---------------------------|------|
|      | United States<br>Rate | Massachusetts<br>Marriages | Rate | United States<br>Rate | Massachusetts<br>Divorces | Rate |
| 1940 | 12.1                  | 44,836                     | 10.4 | 2.0                   | 4502                      | 1.0  |
| 1950 | 11.1                  | 41,711                     | 8.9  | 2.6                   | 6365                      | 1.4  |
| 1960 | 8.5                   | 34,050                     | 6.6  | 2.2                   | 5592                      | 1.1  |
| 1965 | 9.3                   | 38,281                     | 7.2  | 2.5                   | 7858                      | 1.5  |
| 1970 | 10.6                  | 47,292                     | 8.3  | 3.5                   | 10,976                    | 1.9  |
| 1971 | 10.6                  | 47,535                     |      | 3.7                   | 12,881                    |      |
| 1972 | 11.0                  | 48,189                     |      | 4.1                   | 14,441                    |      |
| 1973 | 10.9                  | 46,640                     |      | 4.4                   | 14,540                    |      |
| 1974 | 10.5                  | 44,223                     |      | 4.6                   | 16,116                    |      |
| 1975 | 10.0                  | 42,103                     | 7.3  | 4.8                   | 16,581                    | 2.9  |

Rates for both U.S. marriages and divorces reflect the states included in the registration for each year shown. This is a good example of an arbitrary measure and is used only for comparison. Most rates are probability measures, and the denominator is usually the universe at-risk. The probability denominator for marriage should include only the population of marriageable age who are single, divorced or widowed. Similarly, the denominator for divorces should include only those who are married.

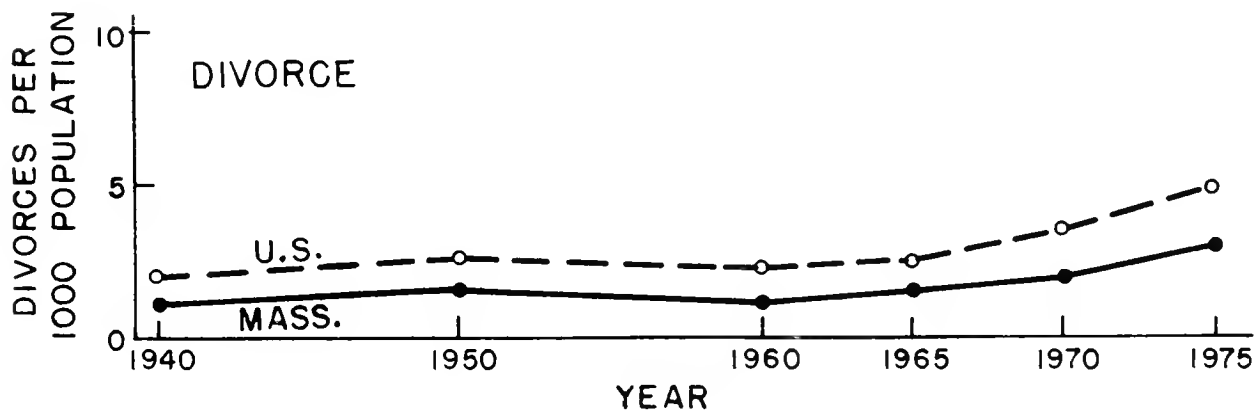
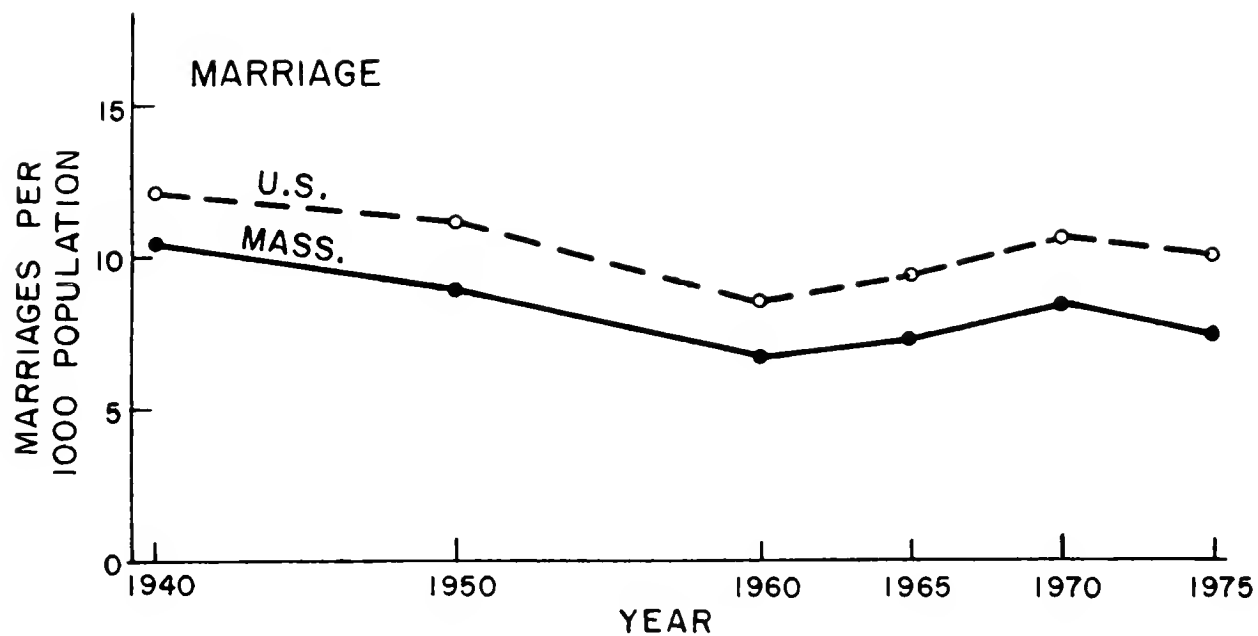


FIGURE 7: Marriage and Divorce Rates per 1,000 Population, Massachusetts and the United States, 1940-1975

## NOTES AND REFERENCES

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Comparisons of age-adjusted rates for specific causes of death do not extend beyond 1950 because (1) there were major revisions in the coding and classification of diseases between 1940 and 1950; and (2) in 1940 the underlying cause of death had been selected according to strict rules of priorities of a disease, and any others it might be associated with, whereas in 1950 the underlying cause of death was the one so specified by the certifying physician. Comparability of 1940 and 1950 rates is possible, but for the purposes of this report the additional effort to provide one more point of reference did not seem warranted.

The 1975 population base for the Massachusetts crude rates was the count (5,790,478) of Massachusetts residents obtained by the state census in that year. Age-specific rates used to determine age-adjusted rates were calculated on the basis of the estimated 1975 Massachusetts population by age groups which was presented in the Health Data Annual, 1975 (vol. 2, No. 1) published by the Department of Public Health.

## ACKNOWLEDGEMENTS

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TABLE 1

## HISTORICAL COMPARISON OF RESIDENT BIRTHS AND DEATHS

1961-1975

| YEAR | DEATHS |                        | LIVE BIRTHS |                        | DEATHS UNDER 1 YEAR |                         | DEATHS UNDER 28 DAYS |                         |
|------|--------|------------------------|-------------|------------------------|---------------------|-------------------------|----------------------|-------------------------|
|      | NUMBER | PER 1000<br>POPULATION | NUMBER      | PER 1000<br>POPULATION | NUMBER              | PER 1000<br>LIVE BIRTHS | NUMBER               | PER 1000<br>LIVE BIRTHS |
| 1975 | 53708  | 9                      | 68070       | 12                     | 903                 | 13                      | 678                  | 10                      |
| 1974 | 55776  |                        | 70071       |                        | 976                 | 14                      | 763                  | 11                      |
| 1973 | 57179  |                        | 72237       |                        | 1104                | 15                      | 861                  | 12                      |
| 1972 | 56854  |                        | 76835       |                        | 1164                | 15                      | 896                  | 12                      |
| 1971 | 56932  |                        | 86755       |                        | 1462                | 17                      | 1130                 | 13                      |
| 1970 | 56944  | 10                     | 93582       | 16                     | 1583                | 17                      | 1231                 | 13                      |
| 1969 | 57695  |                        | 92403       |                        | 1699                | 19                      | 1353                 | 15                      |
| 1968 | 58872  |                        | 91761       |                        | 1776                | 19                      | 1395                 | 15                      |
| 1967 | 57465  |                        | 94870       |                        | 1877                | 20                      | 1434                 | 15                      |
| 1966 | 59301  |                        | 97513       |                        | 2146                | 22                      | 1657                 | 17                      |
| 1965 | 58853  | 11                     | 100262      | 19                     | 2221                | 22                      | 1692                 | 17                      |
| 1964 | 55790  |                        | 107970      |                        | 2284                | 21                      | 1683                 | 16                      |
| 1963 | 58606  |                        | 111217      |                        | 2436                | 22                      | 1839                 | 17                      |
| 1962 | 57798  |                        | 112342      |                        | 2493                | 22                      | 1886                 | 17                      |
| 1961 | 55704  |                        | 114763      |                        | 2517                | 22                      | 1874                 | 16                      |

TABLE 2A  
MASSACHUSETTS  
BIRTHS, AND DEATHS, BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

| CITY / TOWN | OCCURRENCE |        | BIRTHS  |             | DEATHS |         | TOTAL       |       | RESIDENT |             | TOTAL |         | RESIDENT    |       | TOTAL   |             | RESIDENT |      |
|-------------|------------|--------|---------|-------------|--------|---------|-------------|-------|----------|-------------|-------|---------|-------------|-------|---------|-------------|----------|------|
|             | BIRTHS     | DEATHS | M A L E | F E M A L E | TOTAL  | M A L E | F E M A L E | TOTAL | M A L E  | F E M A L E | TOTAL | M A L E | F E M A L E | TOTAL | M A L E | F E M A L E | TOTAL    |      |
| ABINGTON    | 0          | 51     | 189     | 178         | 85     | 93      | 11          | 5     | 6        | 103         | 52    | 51      | 3           | 2     | 1       | 3           | 2        | 1    |
| ACTION      | 0          | 32     | 250     | 236         | 128    | 108     | 14          | 9     | 5        | 63          | 32    | 31      | 1           | 1     | 1       | 1           | 0        | 187  |
| ACUSHNET    | 1          | 19     | 89      | 78          | 47     | 31      | 10          | 5     | 5        | 67          | 42    | 25      | 0           | 0     | 0       | 0           | 0        | 21   |
| ADAMS       | 0          | 41     | 150     | 135         | 74     | 61      | 15          | 6     | 9        | 134         | 57    | 77      | 1           | 0     | 1       | 1           | 0        | 16   |
| AGAWAM      | 0          | 128    | 243     | 231         | 114    | 117     | 12          | 4     | 8        | 153         | 75    | 78      | 2           | 1     | 1       | 2           | 1        | 90   |
| ALFORD      | 0          | 1      | 4       | 4           | 3      | 1       | 0           | 0     | 0        | 1           | 1     | 0       | 0           | 0     | 0       | 0           | 0        | 3    |
| AMESBURY    | 0          | 150    | 202     | 190         | 99     | 91      | 12          | 8     | 4        | 150         | 78    | 72      | 1           | 1     | 1       | 1           | 0        | 52   |
| ANDOVER     | 0          | 54     | 165     | 158         | 71     | 87      | 7           | 2     | 5        | 104         | 51    | 53      | 1           | 1     | 1       | 1           | 0        | 61   |
| ARLINGTON   | 3          | 41     | 235     | 217         | 117    | 100     | 18          | 12    | 6        | 167         | 81    | 86      | 3           | 1     | 2       | 3           | 1        | 68   |
| ASHBURNHAM  | 300        | 396    | 463     | 433         | 228    | 205     | 30          | 15    | 15       | 520         | 271   | 249     | 5           | 4     | 1       | 4           | 3        | 1    |
| ASHEBY      | 0          | 5      | 41      | 38          | 15     | 23      | 3           | 2     | 1        | 28          | 16    | 12      | 0           | 0     | 0       | 0           | 0        | 13   |
| ASHFIELD    | 0          | 2      | 24      | 22          | 10     | 12      | 2           | 1     | 1        | 13          | 7     | 6       | 1           | 0     | 1       | 0           | 0        | 11   |
| ASHLAND     | 0          | 7      | 11      | 11          | 4      | 7       | 0           | 0     | 0        | 12          | 6     | 6       | 0           | 0     | 0       | 0           | 0        | -1   |
| ATHOL       | 0          | 11     | 97      | 89          | 51     | 38      | 8           | 4     | 4        | 53          | 38    | 15      | 2           | 1     | 1       | 2           | 1        | 44   |
| ATTLEBORO   | 6          | 176    | 142     | 131         | 70     | 61      | 11          | 7     | 4        | 140         | 75    | 65      | 1           | 1     | 0       | 1           | 1        | 0    |
| AUSTRIN     | 938        | 470    | 475     | 448         | 229    | 219     | 27          | 9     | 18       | 288         | 150   | 138     | 7           | 4     | 3       | 3           | 1        | 2    |
| AUVRON      | 0          | 23     | 141     | 131         | 75     | 56      | 10          | 5     | 5        | 140         | 72    | 68      | 3           | 2     | 1       | 2           | 1        | 187  |
| AVON        | 0          | 9      | 55      | 50          | 29     | 21      | 5           | 2     | 3        | 41          | 24    | 17      | 1           | 1     | 1       | 1           | 1        | 14   |
| AYER        | 1          | 145    | 246     | 232         | 109    | 123     | 14          | 9     | 5        | 58          | 30    | 28      | 5           | 2     | 3       | 3           | 2        | 188  |
| BARNSTABLE  | 779        | 702    | 273     | 252         | 142    | 110     | 21          | 13    | 8        | 327         | 167   | 160     | 6           | 3     | 3       | 6           | 3        | -54  |
| BARRE       | 0          | 14     | 43      | 42          | 29     | 13      | 1           | 0     | 1        | 32          | 15    | 17      | 0           | 0     | 0       | 0           | 0        | 11   |
| BARKLEY     | 0          | 2      | 17      | 17          | 12     | 5       | 0           | 0     | 0        | 5           | 1     | 5       | 0           | 0     | 0       | 0           | 0        | 11   |
| BEDFORD     | 0          | 116    | 137     | 134         | 79     | 55      | 3           | 2     | 1        | 74          | 30    | 44      | 2           | 1     | 1       | 1           | 0        | 63   |
| BELCHERTOWN | 0          | 17     | 73      | 70          | 42     | 28      | 3           | 2     | 1        | 46          | 23    | 23      | 0           | 0     | 0       | 0           | 0        | 27   |
| BELLINGHAM  | 1          | 7      | 187     | 171         | 94     | 77      | 16          | 6     | 10       | 65          | 40    | 25      | 3           | 0     | 3       | 2           | 0        | 122  |
| BELMONT     | 1          | 70     | 232     | 224         | 114    | 110     | 8           | 3     | 5        | 274         | 144   | 130     | 1           | 1     | 0       | 0           | 0        | -42  |
| BERKLEY     | 0          | 2      | 28      | 26          | 13     | 13      | 2           | 1     | 1        | 18          | 9     | 9       | 0           | 0     | 0       | 0           | 0        | 10   |
| BERTLIN     | 0          | 3      | 24      | 23          | 10     | 13      | 1           | 0     | 1        | 18          | 6     | 12      | 0           | 0     | 0       | 0           | 0        | 6    |
| BERNSTADT   | 0          | 3      | 23      | 22          | 10     | 12      | 1           | 0     | 0        | 14          | 8     | 6       | 0           | 0     | 0       | 0           | 0        | 9    |
| BEVERLY     | 560        | 420    | 404     | 370         | 197    | 173     | 34          | 12    | 22       | 332         | 177   | 155     | 11          | 4     | 7       | 10          | 3        | 72   |
| BILLERICA   | 0          | 49     | 568     | 538         | 282    | 256     | 30          | 12    | 18       | 158         | 86    | 72      | 5           | 3     | 2       | 3           | 1        | 410  |
| BLACKSTONE  | 0          | 15     | 89      | 82          | 38     | 44      | 7           | 4     | 3        | 62          | 30    | 32      | 1           | 0     | 1       | 1           | 0        | 27   |
| BLANDFORD   | 0          | 2      | 11      | 9           | 5      | 4       | 2           | 1     | 1        | 11          | 7     | 4       | 2           | 1     | 1       | 2           | 1        | 0    |
| BOLTON      | 0          | 3      | 32      | 30          | 13     | 17      | 2           | 1     | 1        | 12          | 8     | 4       | 0           | 0     | 0       | 0           | 0        | 20   |
| BOSTON      | 13778      | 10390  | 7481    | 6514        | 3562   | 3252    | 667         | 294   | 373      | 1680        | 3566  | 3214    | 125         | 66    | 59      | 90          | 44       | 702  |
| BOURNE      | 0          | 134    | 174     | 165         | 74     | 91      | 9           | 4     | 5        | 107         | 59    | 48      | 0           | 0     | 0       | 0           | 0        | 67   |
| BROOKHURGH  | 0          | 3      | 45      | 45          | 26     | 19      | 0           | 0     | 0        | 9           | 4     | 5       | 0           | 0     | 0       | 0           | 0        | 36   |
| BUFFUM      | 0          | 2      | 39      | 39          | 23     | 16      | 0           | 0     | 0        | 15          | 10    | 5       | 1           | 1     | 0       | 0           | 0        | 24   |
| BURLINGTON  | 0          | 94     | 41      | 37          | 21     | 16      | 4           | 1     | 3        | 19          | 9     | 10      | 3           | 1     | 2       | 0           | 0        | 22   |
| BRAINTREE   | 0          | 276    | 312     | 302         | 161    | 139     | 12          | 6     | 6        | 309         | 151   | 158     | 4           | 3     | 1       | 1           | 1        | 30   |
| BREWSTER    | 0          | 8      | 68      | 63          | 23     | 40      | 5           | 1     | 4        | 38          | 21    | 17      | 2           | 0     | 2       | 1           | 0        | 1    |
| BROOKFIELD  | 0          | 40     | 183     | 172         | 92     | 80      | 11          | 4     | 7        | 102         | 46    | 56      | 4           | 3     | 1       | 4           | 3        | 81   |
| BRIMFIELD   | 0          | 2      | 24      | 21          | 9      | 12      | 3           | 1     | 2        | 21          | 15    | 6       | 0           | 0     | 0       | 0           | 0        | 3    |
| BROOKLINE   | 1095       | 1307   | 1413    | 1291        | 674    | 617     | 122         | 51    | 71       | 900         | 480   | 420     | 33          | 22    | 11      | 22          | 15       | 513  |
| BROOKFIELD  | 0          | 2      | 29      | 26          | 16     | 10      | 3           | 1     | 2        | 13          | 11    | 7       | 2           | 0     | 2       | 2           | 0        | 11   |
| BROOKLINE   | 11         | 286    | 275     | 356         | 185    | 171     | 19          | 11    | 8        | 652         | 294   | 358     | 2           | 0     | 2       | 2           | 0        | -277 |
| BRUCLAND    | 0          | 7      | 16      | 14          | 6      | 8       | 2           | 1     | 1        | 27          | 13    | 14      | 0           | 0     | 0       | 0           | 0        | -11  |
| BURLINGTON  | 0          | 11     | 273     | 252         | 145    | 103     | 21          | 6     | 15       | 100         | 60    | 49      | 4           | 2     | 2       | 4           | 2        | 173  |
| CAMPIDGE    | 1454       | 1365   | 891     | 836         | 435    | 397     | 55          | 22    | 33       | 838         | 416   | 422     | 7           | 5     | 2       | 3           | 3        | 0    |
| CANTON      | 0          | 36     | 181     | 168         | 86     | 82      | 13          | 4     | 9        | 116         | 54    | 62      | 2           | 1     | 1       | 2           | 1        | 53   |
| CARLISLE    | 0          | 7      | 24      | 24          | 16     | 8       | 0           | 0     | 0        | 18          | 7     | 11      | 0           | 0     | 0       | 0           | 0        | 65   |
| CAVER       | 0          | 1      | 96      | 90          | 53     | 37      | 6           | 2     | 4        | 23          | 17    | 11      | 2           | 1     | 1       | 2           | 1        | 68   |





| CITY / TOWN      | OCCURRENCE<br>DEATHS | BIRTH | RESIDENT<br>TOTAL | TOTAL FEMALE | MALF TOTAL | FEMLE<br>TOTAL | MALE<br>TOTAL | ALL DEATHS | RESIDENT<br>TOTAL | INFANT | MALE | FEMLE | NEONATAL | RESIDENT<br>INCREASE |
|------------------|----------------------|-------|-------------------|--------------|------------|----------------|---------------|------------|-------------------|--------|------|-------|----------|----------------------|
| GEOGETTOWN       | 0                    | 82    | 79                | 42           | 36         | 3              | 1             | 2          | 38                | 21     | 17   | 0     | 0        | 44                   |
| GILL             | 4                    | 13    | 13                | 6            | 7          | 0              | 0             | 0          | 8                 | 5      | 3    | 0     | 0        | 5                    |
| GLAUCUSTEP       | 342                  | 322   | 623               | 159          | 144        | 19             | 9             | 10         | 300               | 160    | 140  | 5     | 4        | 22                   |
| GOSHEN           | 3                    | 11    | 12                | 5            | 5          | 1              | 0             | 1          | 5                 | 2      | 3    | 0     | 0        | 6                    |
| GOSNOLD          | 0                    | 2     | 2                 | 0            | 0          | 0              | 0             | 0          | 1                 | 1      | 0    | 0     | 0        | 1                    |
| GRAFTON          | 0                    | 139   | 132               | 63           | 69         | 7              | 5             | 2          | 72                | 45     | 27   | 0     | 0        | 67                   |
| GRANARY          | 0                    | 65    | 62                | 33           | 29         | 3              | 1             | 2          | 26                | 14     | 12   | 0     | 0        | 39                   |
| GRANVILLE        | 0                    | 12    | 12                | 6            | 6          | 0              | 0             | 0          | 10                | 6      | 4    | 0     | 0        | 2                    |
| GREAT BARRINGTON | 143                  | 158   | 86                | 45           | 39         | 2              | 1             | 1          | 97                | 47     | 50   | 1     | 0        | -11                  |
| GREENFIELD       | 834                  | 325   | 244               | 111          | 122        | 11             | 3             | 8          | 200               | 103    | 97   | 0     | 0        | 44                   |
| GRUTON           | 0                    | 62    | 58                | 26           | 32         | 4              | 1             | 3          | 30                | 14     | 16   | 0     | 0        | 32                   |
| GROVELAND        | 0                    | 51    | 51                | 24           | 27         | 0              | 0             | 0          | 35                | 20     | 15   | 1     | 0        | 16                   |
| HADLEY           | 0                    | 41    | 39                | 19           | 20         | 2              | 1             | 1          | 33                | 14     | 19   | 0     | 0        | 8                    |
| HALIFAX          | 0                    | 63    | 64                | 36           | 28         | 4              | 1             | 3          | 32                | 21     | 11   | 1     | 0        | 36                   |
| HAMILTON         | 0                    | 57    | 54                | 34           | 20         | 3              | 1             | 2          | 43                | 27     | 16   | 0     | 0        | 14                   |
| HAMPDEN          | 0                    | 50    | 47                | 23           | 24         | 3              | 0             | 3          | 27                | 18     | 9    | 1     | 0        | 23                   |
| HANCOCK          | 0                    | 11    | 9                 | 5            | 4          | 2              | 1             | 1          | 5                 | 5      | 0    | 0     | 0        | 6                    |
| HANOVER          | 0                    | 141   | 135               | 81           | 54         | 6              | 4             | 2          | 66                | 45     | 21   | 1     | 1        | 75                   |
| HANSUN           | 0                    | 111   | 100               | 58           | 42         | 11             | 3             | 3          | 50                | 33     | 17   | 0     | 0        | 61                   |
| HARDWICK         | 0                    | 32    | 32                | 19           | 13         | 0              | 0             | 0          | 25                | 16     | 9    | 0     | 0        | 7                    |
| HARVARD          | 4                    | 37    | 36                | 17           | 19         | 1              | 0             | 1          | 14                | 8      | 6    | 0     | 0        | 23                   |
| HARWICH          | 0                    | 67    | 64                | 35           | 29         | 3              | 3             | 0          | 121               | 71     | 50   | 3     | 2        | -54                  |
| HATFIELD         | 0                    | 29    | 26                | 13           | 13         | 3              | 1             | 2          | 46                | 20     | 26   | 2     | 1        | -17                  |
| HAVERHILL        | 791                  | 616   | 596               | 301          | 295        | 57             | 33            | 24         | 558               | 288    | 270  | 8     | 6        | 95                   |
| HAWLEY           | 0                    | 4     | 4                 | 3            | 1          | 0              | 0             | 0          | 3                 | 3      | 0    | 0     | 0        | 1                    |
| HEATH            | 0                    | 3     | 3                 | 2            | 1          | 0              | 0             | 0          | 2                 | 0      | 2    | 0     | 0        | 1                    |
| HINGHAM          | 0                    | 175   | 169               | 75           | 94         | 6              | 3             | 3          | 141               | 76     | 65   | 2     | 2        | 34                   |
| HINSDALE         | 0                    | 30    | 28                | 14           | 14         | 2              | 1             | 1          | 21                | 13     | 8    | 2     | 1        | 9                    |
| HOLBROOK         | 1                    | 130   | 129               | 70           | 59         | 1              | 0             | 1          | 99                | 58     | 41   | 0     | 0        | 31                   |
| HOLDEN           | 0                    | 164   | 127               | 118          | 59         | 9              | 4             | 5          | 113               | 55     | 58   | 2     | 1        | 14                   |
| HOLLAND          | 0                    | 20    | 20                | 10           | 10         | 0              | 0             | 0          | 12                | 7      | 5    | 0     | 0        | 8                    |
| HOLLISTON        | 0                    | 173   | 165               | 93           | 72         | 8              | 4             | 4          | 51                | 23     | 28   | 3     | 2        | 122                  |
| HOLYOKE          | 1681                 | 972   | 626               | 319          | 267        | 40             | 17            | 23         | 613               | 305    | 308  | 9     | 5        | 13                   |
| HOPEDALE         | 0                    | 37    | 35                | 17           | 18         | 2              | 0             | 2          | 36                | 16     | 20   | 0     | 0        | 1                    |
| HOPKINTON        | 0                    | 70    | 67                | 36           | 31         | 3              | 2             | 1          | 45                | 27     | 19   | 0     | 0        | 24                   |
| HUBBARDSTON      | 0                    | 24    | 22                | 7            | 15         | 2              | 1             | 1          | 17                | 12     | 5    | 0     | 0        | 7                    |
| HUDSON           | 1                    | 17    | 212               | 198          | 101        | 14             | 3             | 6          | 109               | 54     | 55   | 2     | 0        | 103                  |
| HULL             | 0                    | 19    | 106               | 100          | 49         | 8              | 4             | 4          | 75                | 46     | 29   | 3     | 2        | 33                   |



TABLE 2A  
MASSACHUSETTS  
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

| CITY / TOWN      | OCCURRENCE |     | BIRTHS |     | DEATHS |     | RESIDENT |    | BIRTHS |      | DEATHS |     | RESIDENT |   | BIRTHS |   | DEATHS |   | RESIDENT |     |
|------------------|------------|-----|--------|-----|--------|-----|----------|----|--------|------|--------|-----|----------|---|--------|---|--------|---|----------|-----|
|                  | TOTAL      |     | TOTAL  |     | TOTAL  |     | TOTAL    |    | TOTAL  |      | TOTAL  |     | TOTAL    |   | TOTAL  |   | TOTAL  |   | TOTAL    |     |
|                  | 514        | 300 | 212    | 204 | 98     | 106 | 8        | 2  | 6      | 216  | 106    | 110 | 2        | 1 | 1      | 2 | 1      | 1 | 1        | 1   |
| NORTH ADAMS      | 0          | 75  | 180    | 170 | 95     | 75  | 10       | 4  | 6      | 135  | 72     | 63  | 1        | 1 | 0      | 1 | 1      | 1 | 1        | -4  |
| NORTH ANDOVER    | 0          | 44  | 240    | 223 | 130    | 98  | 12       | 7  | 5      | 159  | 85     | 74  | 4        | 2 | 2      | 3 | 2      | 1 | 0        | 45  |
| NORTH ATTLEBORO  | 3          | 2   | 58     | 56  | 29     | 27  | 2        | 1  | 1      | 28   | 18     | 10  | 1        | 1 | 0      | 1 | 1      | 1 | 0        | 30  |
| NORTH BROOKFIELD | 1          | 29  | 150    | 142 | 66     | 76  | 8        | 5  | 3      | 66   | 33     | 33  | 3        | 1 | 1      | 2 | 1      | 1 | 1        | 84  |
| NORTH READING    | 968        | 617 | 272    | 261 | 141    | 120 | 11       | 9  | 2      | 288  | 146    | 142 | 2        | 1 | 1      | 2 | 1      | 1 | 1        | -16 |
| NORTHAMPTON      | 0          | 35  | 153    | 145 | 90     | 55  | 8        | 4  | 4      | 65   | 29     | 36  | 1        | 1 | 0      | 0 | 0      | 0 | 0        | 88  |
| NORTHBOROUGH     | 0          | 107 | 168    | 150 | 71     | 79  | 18       | 9  | 9      | 101  | 47     | 54  | 3        | 2 | 1      | 3 | 2      | 1 | 1        | 67  |
| NORTHBIDGE       | 0          | 4   | 32     | 30  | 14     | 16  | 2        | 1  | 1      | 23   | 13     | 10  | 0        | 0 | 0      | 0 | 0      | 0 | 0        | 9   |
| NORTHFIELD       | 0          | 72  | 157    | 146 | 70     | 76  | 11       | 3  | 8      | 70   | 31     | 39  | 1        | 0 | 1      | 1 | 0      | 1 | 1        | 87  |
| NORWELL          | 0          | 61  | 95     | 88  | 40     | 48  | 7        | 2  | 5      | 55   | 23     | 32  | 1        | 0 | 1      | 1 | 0      | 1 | 1        | 40  |
| NORWOOD          | 1167       | 592 | 301    | 283 | 138    | 145 | 18       | 3  | 10     | 296  | 154    | 142 | 7        | 5 | 2      | 7 | 5      | 2 | 5        | 5   |
| OAK BLUFFS       | 102        | 72  | 27     | 24  | 10     | 14  | 3        | 0  | 3      | 25   | 16     | 9   | 0        | 0 | 0      | 0 | 0      | 0 | 0        | 2   |
| OAKHAM           | 0          | 2   | 12     | 12  | 7      | 5   | 12       | 0  | 0      | 10   | 2      | 8   | 0        | 0 | 0      | 0 | 0      | 0 | 0        | 2   |
| ORANGE           | 0          | 11  | 91     | 84  | 36     | 48  | 7        | 3  | 4      | 69   | 33     | 36  | 1        | 0 | 1      | 1 | 0      | 1 | 1        | 22  |
| ORLEANS          | 0          | 31  | 20     | 20  | 8      | 12  | 0        | 0  | 0      | 70   | 39     | 31  | 0        | 0 | 0      | 0 | 0      | 0 | 0        | -50 |
| OTIS             | 0          | 7   | 18     | 15  | 5      | 10  | 3        | 1  | 2      | 9    | 5      | 4   | 1        | 0 | 1      | 1 | 0      | 1 | 0        | 9   |
| OXFORD           | 0          | 24  | 136    | 130 | 66     | 64  | 6        | 5  | 1      | 77   | 50     | 27  | 2        | 2 | 0      | 2 | 2      | 0 | 0        | 59  |
| PALMER           | 1          | 104 | 135    | 129 | 59     | 70  | 6        | 4  | 2      | 120  | 60     | 60  | 0        | 0 | 0      | 0 | 0      | 0 | 0        | 15  |
| PAXTON           | 0          | 4   | 35     | 34  | 21     | 13  | 1        | 0  | 1      | 26   | 15     | 11  | 0        | 0 | 0      | 0 | 0      | 0 | 0        | 9   |
| PEABODY          | 0          | 217 | 523    | 489 | 252    | 237 | 34       | 14 | 20     | 348  | 188    | 160 | 4        | 2 | 2      | 3 | 2      | 1 | 1        | 175 |
| PELHAM           | 0          | 0   | 9      | 8   | 3      | 5   | 1        | 0  | 1      | 7    | 4      | 3   | 0        | 0 | 0      | 0 | 0      | 0 | 0        | 2   |
| PENBROKE         | 0          | 23  | 190    | 185 | 83     | 102 | 5        | 3  | 2      | 79   | 43     | 36  | 0        | 0 | 0      | 0 | 0      | 0 | 0        | 111 |
| PEPPERELL        | 1          | 11  | 113    | 103 | 56     | 47  | 10       | 6  | 4      | 37   | 24     | 13  | 1        | 0 | 1      | 1 | 0      | 1 | 1        | 76  |
| PERU             | 0          | 0   | 14     | 14  | 7      | 7   | 0        | 0  | 0      | 4    | 4      | 0   | 0        | 0 | 0      | 0 | 0      | 0 | 0        | 10  |
| PETERSHAM        | 0          | 2   | 7      | 6   | 3      | 3   | 1        | 1  | 0      | 13   | 6      | 7   | 0        | 0 | 0      | 0 | 0      | 0 | 0        | -6  |
| PHILLIPSTON      | 1          | 1   | 10     | 9   | 6      | 3   | 1        | 1  | 0      | 6    | 2      | 4   | 0        | 0 | 0      | 0 | 0      | 0 | 0        | 4   |
| PITTSFIELD       | 1273       | 763 | 641    | 596 | 304    | 292 | 45       | 22 | 22     | 585  | 303    | 282 | 12       | 7 | 5      | 9 | 6      | 3 | 3        | 55  |
| PLAINFIELD       | 0          | 3   | 4      | 4   | 2      | 2   | 0        | 0  | 0      | 7    | 3      | 4   | 0        | 0 | 0      | 0 | 0      | 0 | 0        | -3  |
| PLAINVILLE       | 0          | 19  | 61     | 55  | 31     | 24  | 6        | 1  | 5      | 54   | 28     | 26  | 2        | 1 | 1      | 2 | 1      | 1 | 1        | 7   |
| PLYMOUTH         | 494        | 411 | 442    | 413 | 223    | 190 | 29       | 19 | 10     | 261  | 128    | 133 | 6        | 4 | 2      | 6 | 4      | 2 | 2        | 181 |
| PLYMPTON         | 1          | 7   | 23     | 23  | 10     | 11  | 0        | 0  | 0      | 7    | 7      | 0   | 1        | 1 | 0      | 1 | 1      | 0 | 0        | 16  |
| PRINCETON        | 0          | 3   | 34     | 32  | 16     | 16  | 2        | 1  | 1      | 11   | 8      | 3   | 0        | 0 | 0      | 0 | 0      | 0 | 0        | 23  |
| PRINCETONTOWN    | 1          | 23  | 29     | 24  | 12     | 12  | 5        | 1  | 4      | 50   | 29     | 21  | 1        | 0 | 1      | 1 | 0      | 1 | 1        | -21 |
| QUINCY           | 1156       | 888 | 926    | 879 | 449    | 430 | 47       | 26 | 21     | 1020 | 538    | 482 | 10       | 6 | 4      | 8 | 5      | 3 | 3        | -94 |
| RANDOLPH         | 0          | 98  | 286    | 262 | 128    | 134 | 24       | 13 | 11     | 227  | 120    | 107 | 6        | 5 | 1      | 4 | 4      | 0 | 0        | 59  |
| RAYNHAM          | 0          | 5   | 114    | 103 | 54     | 49  | 11       | 4  | 7      | 37   | 20     | 17  | 3        | 1 | 2      | 3 | 1      | 2 | 77       |     |
| READING          | 1          | 39  | 259    | 245 | 111    | 134 | 14       | 5  | 9      | 148  | 68     | 80  | 2        | 2 | 0      | 1 | 1      | 0 | 111      |     |
| REHOBOTH         | 0          | 13  | 72     | 66  | 28     | 38  | 6        | 4  | 2      | 45   | 25     | 20  | 2        | 1 | 1      | 1 | 1      | 0 | 27       |     |
| REVERE           | 1          | 252 | 420    | 390 | 211    | 179 | 30       | 19 | 11     | 426  | 241    | 185 | 6        | 5 | 1      | 5 | 4      | 1 | 1        | -6  |
| RICHMOND         | 0          | 2   | 31     | 27  | 14     | 13  | 4        | 0  | 4      | 9    | 3      | 6   | 0        | 0 | 0      | 0 | 0      | 0 | 0        | 22  |
| ROCHESTER        | 0          | 0   | 24     | 21  | 10     | 11  | 3        | 1  | 2      | 12   | 9      | 3   | 1        | 1 | 0      | 0 | 0      | 0 | 0        | 12  |
| ROCKLAND         | 0          | 73  | 246    | 224 | 121    | 103 | 22       | 9  | 13     | 122  | 58     | 64  | 6        | 3 | 3      | 3 | 1      | 2 | 124      |     |
| ROCKPORT         | 0          | 49  | 50     | 48  | 23     | 25  | 2        | 1  | 1      | 83   | 34     | 49  | 0        | 0 | 0      | 0 | 0      | 0 | 0        | -33 |
| ROWE             | 0          | 2   | 4      | 4   | 1      | 3   | 0        | 0  | 0      | 5    | 2      | 3   | 0        | 0 | 0      | 0 | 0      | 0 | 0        | -1  |
| ROWLEY           | 0          | 9   | 43     | 41  | 22     | 19  | 2        | 2  | 0      | 33   | 24     | 9   | 0        | 0 | 0      | 0 | 0      | 0 | 0        | 10  |
| ROYALSTON        | 0          | 1   | 13     | 13  | 8      | 5   | 0        | 0  | 0      | 10   | 5      | 5   | 0        | 0 | 0      | 0 | 0      | 0 | 0        | 3   |
| RUSSELL          | 0          | 0   | 19     | 16  | 6      | 10  | 3        | 1  | 2      | 14   | 8      | 6   | 0        | 0 | 0      | 0 | 0      | 0 | 0        | 5   |
| RUTLAND          | 0          | 46  | 62     | 58  | 38     | 20  | 4        | 2  | 2      | 31   | 11     | 20  | 1        | 1 | 0      | 1 | 1      | 0 | 1        | 31  |
| SALEM            | 963        | 560 | 450    | 420 | 210    | 204 | 30       | 18 | 12     | 453  | 232    | 221 | 7        | 4 | 3      | 4 | 2      | 2 | 2        | -3  |
| SALISBURY        | 0          | 31  | 71     | 59  | 28     | 31  | 12       | 8  | 4      | 50   | 25     | 25  | 2        | 1 | 1      | 2 | 1      | 1 | 1        | 21  |
| SANDSFIELD       | 0          | 9   | 7      | 7   | 2      | 5   | 0        | 0  | 0      | 7    | 4      | 3   | 0        | 0 | 0      | 0 | 0      | 0 | 0        | 0   |

TABLE 2A  
MASSACHUSETTS  
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

| CITY / TOWN   | OCCURRENCE |        | *** RESIDENT BIRTHS *** |      | ***** ALL DEATHS ***** |       | ***** RESIDENT ***** |        | DEATHS |      | ***** NATURAL INCREASE ***** |       |      |        |
|---------------|------------|--------|-------------------------|------|------------------------|-------|----------------------|--------|--------|------|------------------------------|-------|------|--------|
|               | BIRTHS     | DEATHS | TOTAL                   | MALE | FEMALE                 | TOTAL | MALE                 | FEMALE | TOTAL  | MALE | FEMALE                       | TOTAL | MALE | FEMALE |
| SANDWICH      | 0          | 9      | 77                      | 74   | 45                     | 29    | 33                   | 26     | 0      | 0    | 0                            | 0     | 0    | 18     |
| SAUGUS        | 10         | 199    | 224                     | 213  | 118                    | 95    | 128                  | 93     | 4      | 3    | 1                            | 4     | 3    | 3      |
| SAVOY         | 0          | 0      | 5                       | 5    | 2                      | 3     | 4                    | 1      | 0      | 0    | 0                            | 0     | 0    | 1      |
| SCITUATE      | 0          | 61     | 181                     | 169  | 88                     | 81    | 162                  | 75     | 87     | 2    | 0                            | 2     | 0    | 2      |
| SECONK        | 1          | 20     | 109                     | 98   | 54                     | 44    | 82                   | 42     | 2      | 1    | 1                            | 0     | 1    | 18     |
| SHARON        | 0          | 43     | 119                     | 111  | 57                     | 54    | 90                   | 50     | 40     | 1    | 1                            | 0     | 1    | 0      |
| SHEFFIELD     | 1          | 10     | 22                      | 14   | 13                     | 6     | 28                   | 17     | 11     | 1    | 0                            | 1     | 1    | 0      |
| SHELBURNE     | 0          | 21     | 29                      | 28   | 14                     | 14    | 33                   | 18     | 15     | 0    | 0                            | 0     | 0    | 0      |
| SHERBORN      | 0          | 3      | 44                      | 42   | 26                     | 16    | 19                   | 11     | 8      | 0    | 0                            | 0     | 0    | 0      |
| SHIRLEY       | 0          | 10     | 59                      | 64   | 34                     | 30    | 29                   | 14     | 15     | 1    | 0                            | 1     | 1    | 0      |
| SHREWSBURY    | 2          | 40     | 216                     | 204  | 100                    | 104   | 153                  | 86     | 67     | 2    | 1                            | 1     | 2    | 1      |
| SHUTESBURY    | 0          | 3      | 14                      | 13   | 7                      | 6     | 4                    | 2      | 0      | 0    | 0                            | 0     | 0    | 0      |
| SOMERSET      | 0          | 17     | 184                     | 174  | 95                     | 79    | 134                  | 79     | 55     | 1    | 1                            | 0     | 1    | 0      |
| SOMERVILLE    | 9          | 505    | 939                     | 860  | 431                    | 429   | 873                  | 482    | 391    | 13   | 6                            | 7     | 13   | 6      |
| SOUTH HADLEY  | 0          | 30     | 154                     | 144  | 81                     | 63    | 123                  | 53     | 70     | 0    | 0                            | 0     | 0    | 0      |
| SOUTHAMPTON   | 0          | 4      | 53                      | 48   | 23                     | 25    | 19                   | 12     | 7      | 2    | 1                            | 1     | 1    | 0      |
| SOUTHBOROUGH  | 0          | 7      | 77                      | 63   | 35                     | 33    | 47                   | 27     | 20     | 2    | 2                            | 0     | 0    | 0      |
| SOUTHBRIIDGE  | 571        | 197    | 213                     | 198  | 96                     | 102   | 165                  | 95     | 70     | 2    | 2                            | 0     | 2    | 0      |
| SOUTHWICK     | 0          | 5      | 79                      | 75   | 38                     | 37    | 34                   | 17     | 17     | 0    | 0                            | 0     | 0    | 0      |
| SPENCER       | 0          | 49     | 159                     | 149  | 80                     | 69    | 99                   | 48     | 51     | 3    | 1                            | 2     | 3    | 1      |
| SPRINGFIELD   | 4408       | 2348   | 2327                    | 2136 | 1062                   | 1074  | 1687                 | 872    | 815    | 36   | 24                           | 12    | 27   | 19     |
| STERLING      | 0          | 4      | 64                      | 82   | 25                     | 37    | 25                   | 13     | 12     | 0    | 0                            | 0     | 0    | 0      |
| STOCKBRIDGE   | 0          | 11     | 20                      | 20   | 11                     | 9     | 17                   | 11     | 6      | 0    | 0                            | 0     | 0    | 0      |
| STONEHAM      | 520        | 333    | 216                     | 200  | 107                    | 93    | 188                  | 99     | 89     | 5    | 4                            | 1     | 3    | 2      |
| STOUGHTON     | 1650       | 301    | 343                     | 313  | 181                    | 132   | 187                  | 99     | 88     | 5    | 3                            | 2     | 3    | 1      |
| STOW          | 0          | 9      | 59                      | 59   | 27                     | 32    | 29                   | 17     | 12     | 0    | 0                            | 0     | 0    | 0      |
| STURBRIDGE    | 0          | 6      | 60                      | 58   | 30                     | 28    | 38                   | 23     | 15     | 0    | 0                            | 0     | 0    | 0      |
| SUNDERLAND    | 0          | 34     | 120                     | 114  | 58                     | 56    | 60                   | 24     | 36     | 1    | 0                            | 1     | 1    | 0      |
| SUTTON        | 0          | 7      | 71                      | 64   | 32                     | 32    | 34                   | 20     | 14     | 0    | 0                            | 0     | 0    | 0      |
| SWAMPSCOTT    | 0          | 22     | 94                      | 88   | 46                     | 42    | 76                   | 70     | 1      | 1    | 0                            | 0     | 0    | 0      |
| SWANSEA       | 1          | 36     | 142                     | 173  | 97                     | 76    | 127                  | 75     | 52     | 4    | 2                            | 4     | 2    | 2      |
| TAUNTON       | 742        | 491    | 607                     | 546  | 291                    | 255   | 456                  | 240    | 216    | 14   | 6                            | 8     | 10   | 6      |
| TEMPLETON     | 0          | 10     | 69                      | 62   | 37                     | 25    | 44                   | 29     | 15     | 2    | 2                            | 0     | 2    | 0      |
| TEWKSBURY     | 3          | 225    | 307                     | 290  | 142                    | 148   | 118                  | 69     | 49     | 7    | 4                            | 3     | 4    | 2      |
| TEWKSBURY     | 0          | 3      | 29                      | 27   | 16                     | 11    | 34                   | 19     | 15     | 1    | 1                            | 0     | 1    | 0      |
| TOLLAND       | 0          | 0      | 1                       | 1    | 0                      | 1     | 1                    | 0      | 0      | 0    | 0                            | 0     | 0    | 0      |
| TOPSFIELD     | 0          | 5      | 29                      | 28   | 12                     | 16    | 27                   | 16     | 11     | 0    | 0                            | 0     | 0    | 0      |
| TOUANSO       | 0          | 4      | 98                      | 95   | 48                     | 47    | 32                   | 21     | 11     | 0    | 0                            | 0     | 0    | 0      |
| TRURO         | 0          | 7      | 14                      | 13   | 7                      | 6     | 9                    | 4      | 5      | 0    | 0                            | 0     | 0    | 0      |
| TYNGSBOROUGH  | 0          | 0      | 85                      | 80   | 35                     | 45    | 31                   | 18     | 13     | 1    | 0                            | 1     | 0    | 1      |
| UPPER MERIDEN | 0          | 2      | 6                       | 6    | 0                      | 0     | 3                    | 2      | 1      | 0    | 0                            | 0     | 0    | 0      |
| UPTON         | 0          | 8      | 34                      | 37   | 18                     | 19    | 39                   | 20     | 19     | 1    | 1                            | 0     | 0    | 0      |
| UXBRIDGE      | 0          | 10     | 84                      | 79   | 42                     | 37    | 80                   | 51     | 29     | 0    | 0                            | 0     | 0    | 0      |
| WAKEFIELD     | 0          | 79     | 261                     | 248  | 143                    | 105   | 241                  | 124    | 117    | 4    | 1                            | 3     | 3    | 0      |
| WALTON        | 0          | 0      | 15                      | 14   | 4                      | 10    | 13                   | 7      | 6      | 0    | 0                            | 0     | 0    | 0      |
| WALPOLE       | 1          | 27     | 163                     | 164  | 90                     | 74    | 112                  | 62     | 50     | 0    | 0                            | 0     | 0    | 0      |
| WALTHAM       | 687        | 643    | 636                     | 592  | 314                    | 278   | 508                  | 247    | 261    | 6    | 4                            | 2     | 6    | 4      |
| WARE          | 311        | 130    | 136                     | 130  | 73                     | 57    | 91                   | 48     | 43     | 2    | 1                            | 1     | 2    | 1      |
| WARREN        | 267        | 203    | 236                     | 216  | 107                    | 109   | 143                  | 84     | 59     | 0    | 0                            | 0     | 0    | 0      |
| WARRICK       | 0          | 10     | 45                      | 42   | 23                     | 19    | 36                   | 19     | 17     | 2    | 1                            | 1     | 2    | 1      |
| WARRICK       | 0          | 0      | 10                      | 10   | 4                      | 6     | 2                    | 2      | 0      | 0    | 0                            | 0     | 0    | 0      |

TABLE 2A  
MASSACHUSETTS  
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

| CITY / TOWN      | BIRTHS<br>OCCURRENCE | RESIDENT BIRTHS |        | IDENTIFIED |       | RESIDENT |       | DEATHS |        | IDENTIFIED |       | RESIDENT |       | DEATHS |        | NATURAL INCREASE |       |
|------------------|----------------------|-----------------|--------|------------|-------|----------|-------|--------|--------|------------|-------|----------|-------|--------|--------|------------------|-------|
|                  |                      | BIRTHS          | DEATHS | TOTAL      | MALE  | FEMALE   | TOTAL | MALE   | FEMALE | TOTAL      | MALE  | FEMALE   | TOTAL | MALE   | FEMALE | TOTAL            | MALE  |
| WASHINGTON       | 1                    | 5               | 6      | 1          | 0     | 1        | 0     | 0      | 0      | 0          | 0     | 0        | 0     | 0      | 0      | 0                | 1     |
| WATERTOWN        | 1                    | 109             | 381    | 391        | 18    | 109      | 0     | 9      | 9      | 0          | 0     | 0        | 0     | 0      | 0      | 0                | 18    |
| WAYLAND          | 2                    | 31              | 129    | 159        | 10    | 62       | 10    | 7      | 3      | 0          | 0     | 0        | 0     | 0      | 0      | 0                | 54    |
| WEBSTER          | 0                    | 193             | 162    | 147        | 15    | 76       | 15    | 5      | 10     | 0          | 0     | 0        | 0     | 0      | 0      | 0                | -11   |
| WELLESLEY        | 2                    | 113             | 187    | 178        | 91    | 97       | 9     | 6      | 3      | 0          | 0     | 0        | 0     | 0      | 0      | 0                | -7    |
| WELFLEET         | 0                    | 1               | 29     | 29         | 16    | 13       | 0     | 0      | 0      | 0          | 0     | 0        | 0     | 0      | 0      | 0                | 2     |
| WENDELL          | 0                    | 2               | 9      | 9          | 4     | 5        | 0     | 0      | 0      | 0          | 0     | 0        | 0     | 0      | 0      | 0                | 3     |
| WENHAM           | 0                    | 9               | 22     | 20         | 16    | 4        | 2     | 0      | 2      | 17         | 5     | 12       | 1     | 0      | 0      | 0                | 5     |
| WEST BOYLSTON    | 0                    | 22              | 51     | 50         | 30    | 20       | 1     | 0      | 0      | 57         | 26    | 31       | 0     | 0      | 0      | 0                | -6    |
| WEST BRIDGEWATER | 0                    | 9               | 67     | 63         | 38    | 25       | 4     | 3      | 1      | 50         | 32    | 18       | 0     | 0      | 0      | 0                | 17    |
| WEST BROCKFIELD  | 0                    | 43              | 29     | 29         | 12    | 17       | 0     | 0      | 0      | 20         | 9     | 11       | 0     | 0      | 0      | 0                | 9     |
| WEST NEWBURY     | 0                    | 3               | 26     | 24         | 14    | 10       | 2     | 2      | 0      | 13         | 6     | 7        | 0     | 0      | 0      | 0                | 13    |
| WEST SPRINGFIELD | 0                    | 51              | 299    | 274        | 133   | 141      | 25    | 16     | 9      | 257        | 135   | 122      | 2     | 2      | 0      | 1                | 42    |
| WEST STOCKBRIDGE | 0                    | 0               | 7      | 7          | 1     | 6        | 0     | 0      | 0      | 9          | 6     | 3        | 0     | 0      | 0      | 0                | -2    |
| WEST TISBURY     | 0                    | 3               | 17     | 17         | 13    | 4        | 0     | 0      | 0      | 7          | 4     | 3        | 0     | 0      | 0      | 0                | 10    |
| WESTBOROUGH      | 0                    | 96              | 152    | 142        | 63    | 79       | 10    | 4      | 6      | 85         | 50    | 35       | 2     | 1      | 1      | 2                | 67    |
| WESTFIELD        | 0                    | 341             | 436    | 414        | 212   | 202      | 22    | 9      | 13     | 265        | 133   | 132      | 10    | 6      | 4      | 9                | 171   |
| WESTFORD         | 0                    | 33              | 167    | 151        | 80    | 71       | 16    | 8      | 3      | 77         | 46    | 31       | 0     | 0      | 0      | 0                | 90    |
| WESTHAMPTON      | 1                    | 2               | 11     | 11         | 8     | 3        | 0     | 0      | 0      | 9          | 5     | 4        | 0     | 0      | 0      | 0                | 2     |
| WESTMINSTER      | 0                    | 5               | 57     | 54         | 34    | 20       | 3     | 2      | 1      | 32         | 21    | 11       | 0     | 0      | 0      | 0                | 25    |
| WESTON           | 3                    | 44              | 60     | 58         | 30    | 28       | 2     | 0      | 2      | 78         | 40    | 38       | 0     | 0      | 0      | 0                | -18   |
| WESTPORT         | 1                    | 27              | 156    | 145        | 77    | 68       | 11    | 7      | 4      | 95         | 49    | 46       | 1     | 0      | 1      | 0                | 61    |
| WESTWOOD         | 1                    | 10              | 99     | 93         | 49    | 44       | 6     | 4      | 2      | 96         | 49    | 47       | 2     | 1      | 1      | 2                | 3     |
| WEYMOUTH         | 1689                 | 695             | 645    | 599        | 312   | 287      | 46    | 25     | 21     | 431        | 237   | 194      | 6     | 6      | 0      | 4                | 214   |
| WHATELY          | 0                    | 5               | 9      | 9          | 5     | 4        | 0     | 0      | 0      | 13         | 6     | 7        | 0     | 0      | 0      | 0                | -4    |
| WHITMAN          | 0                    | 25              | 191    | 178        | 92    | 86       | 13    | 9      | 4      | 98         | 47    | 51       | 3     | 2      | 1      | 2                | 93    |
| WILBRAHAM        | 1                    | 7               | 90     | 81         | 42    | 39       | 9     | 7      | 2      | 81         | 45    | 36       | 0     | 0      | 0      | 0                | 9     |
| WILLIAMSBURG     | 0                    | 12              | 15     | 13         | 2     | 11       | 2     | 2      | 0      | 12         | 8     | 4        | 0     | 0      | 0      | 0                | 3     |
| WILLIAMSTOWN     | 1                    | 84              | 60     | 55         | 22    | 33       | 5     | 5      | 0      | 72         | 37    | 35       | 0     | 0      | 0      | 0                | -12   |
| WILMINGTON       | 1                    | 1               | 224    | 215        | 117   | 98       | 9     | 7      | 2      | 106        | 57    | 49       | 2     | 1      | 1      | 2                | 118   |
| WINCHENDEN       | 0                    | 34              | 78     | 73         | 40    | 33       | 5     | 5      | 0      | 63         | 32    | 31       | 1     | 1      | 0      | 1                | 15    |
| WINCHESTER       | 1087                 | 285             | 172    | 159        | 85    | 74       | 13    | 7      | 6      | 170        | 85    | 85       | 3     | 2      | 1      | 2                | 2     |
| WINDSOR          | 0                    | 1               | 6      | 6          | 2     | 4        | 0     | 0      | 0      | 6          | 4     | 2        | 0     | 0      | 0      | 0                | 0     |
| WINTHROP         | 1                    | 197             | 182    | 170        | 88    | 82       | 12    | 9      | 3      | 230        | 122   | 108      | 1     | 1      | 0      | 1                | -48   |
| WOPURN           | 435                  | 294             | 474    | 447        | 231   | 216      | 27    | 14     | 13     | 279        | 147   | 132      | 4     | 4      | 0      | 2                | 195   |
| WORCESTER        | 4636                 | 2834            | 2213   | 2020       | 1004  | 1016     | 193   | 94     | 99     | 2136       | 1088  | 1048     | 39    | 22     | 17     | 22               | 77    |
| WORTHINGTON      | 0                    | 1               | 11     | 11         | 5     | 6        | 0     | 0      | 0      | 9          | 3     | 6        | 0     | 0      | 0      | 0                | 2     |
| WRENTHAM         | 0                    | 44              | 78     | 72         | 36    | 36       | 7     | 3      | 3      | 55         | 27    | 28       | 1     | 1      | 0      | 1                | 23    |
| YARMOUTH         | 1                    | 47              | 145    | 138        | 73    | 65       | 7     | 5      | 2      | 210        | 119   | 91       | 2     | 2      | 0      | 2                | -65   |
| STATE TOTALS     | 69726                | 54209           | 68070  | 63383      | 32868 | 30514    | 4687  | 2222   | 2464   | 53708      | 28037 | 25670    | 903   | 526    | 377    | 579              | 14363 |



TABLE 2C  
MASSACHUSETTS  
BIRTHS AND DEATHS BY HSA OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

| HEALTH<br>SERVICE AREA | OCCURRENCE<br>BIRTHS DEATHS | *** R E S I D E N T U B I R T H S ***** R E S I D E N T D E A T H S ***** RESIDENT<br>BIRTH ---M A T U R E--- I M M A T U R E---ALL DEATHS--- --INFANT--- --NEONATAL--- NATURAL<br>TOTAL TOTAL MALE FEMALE TOTAL MALE FEMALE TOTAL MALE FEMALE TOTAL MALE FEMALE INCREASE |       |       |        |       |      |        |       |       |        |       |      |        |       |      |        |          |
|------------------------|-----------------------------|---|-------|-------|--------|-------|------|--------|-------|-------|--------|-------|------|--------|-------|------|--------|----------|
|                        |                             | TOTAL   | TOTAL | MALE  | FEMALE | TOTAL | MALE | FEMALE | TOTAL | MALE  | FEMALE | TOTAL | MALE | FEMALE | TOTAL | MALE | FEMALE | INCREASE |
| I WESTERN MASS         | 10152 7577                  | 9603  | 8994  | 4597  | 4397   | 609   | 297  | 312    | 7453  | 3845  | 3608   | 116   | 67   | 49     | 87    | 52   | 35     | 2150     |
| II CENTRAL MASS        | 7738 5921                   | 8802  | 8183  | 4196  | 3987   | 619   | 309  | 310    | 6242  | 3308  | 2934   | 109   | 56   | 53     | 74    | 37   | 37     | 2560     |
| III MERRIMACK          | 6486 4468                   | 6912  | 6422  | 3314  | 3108   | 490   | 245  | 245    | 4482  | 2329  | 2152   | 88    | 57   | 31     | 71    | 43   | 27     | 2431     |
| IV METRO CENTRAL       | 13791 11403                 | 8795  | 8042  | 4213  | 3929   | 753   | 342  | 411    | 8409  | 4391  | 4018   | 140   | 77   | 63     | 101   | 51   | 50     | 387      |
| IV METRO NORTHWEST     | 4466 3653                   | 4715  | 4424  | 2327  | 2097   | 291   | 132  | 159    | 3849  | 1997  | 1852   | 44    | 28   | 16     | 34    | 20   | 14     | 866      |
| IV METRO WEST          | 4413 3437                   | 4953  | 4656  | 2424  | 2232   | 297   | 149  | 148    | 3716  | 1830  | 1885   | 59    | 32   | 27     | 48    | 25   | 23     | 1237     |
| IV METRO SOUTHWEST     | 1170 1128                   | 1634  | 1541  | 800   | 741    | 93    | 36   | 57     | 1218  | 635   | 583    | 19    | 12   | 7      | 18    | 11   | 7      | 416      |
| IV METRO SOUTH         | 2847 2437                   | 3117  | 2943  | 1507  | 1436   | 174   | 87   | 87     | 2848  | 1476  | 1372   | 35    | 25   | 10     | 24    | 17   | 7      | 269      |
| V SOUTH SHORE          | 10819 8515                  | 12605   | 11702 | 6125  | 5577   | 903   | 418  | 485    | 9078  | 4887  | 4191   | 196   | 115  | 81     | 143   | 87   | 56     | 3528     |
| VI NORTH SHORE         | 7844 5576                   | 6932  | 6475  | 3265  | 3110   | 457   | 207  | 250    | 6413  | 3339  | 3074   | 97    | 57   | 40     | 79    | 45   | 34     | 519      |
| STATE TOTAL            | 69726 54209                 | 68070   | 63383 | 32868 | 30514  | 4687  | 2222 | 2464   | 53708 | 28037 | 25670  | 903   | 526  | 377    | 679   | 388  | 290    | 14363    |



TABLE 3  
MASSACHUSETTS  
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND WEIGHT OF INFANT

| TOTAL BIRTHS      |          |     |     |      |      |      |       |       |       |       |       |         |         |       |
|-------------------|----------|-----|-----|------|------|------|-------|-------|-------|-------|-------|---------|---------|-------|
| BIRTH WEIGHT      | UNDER 15 | 15  | 16  | 17   | 18   | 19   | 20-24 | 25-29 | 30-4  | 35-39 | 40-44 | OVER 44 | UNKNOWN | TOTAL |
| UNDER 1001 GRAMS  | 1        | 9   | 5   | 13   | 23   | 17   | 117   | 122   | 40    | 22    | 4     | 0       | 0       | 378   |
| 1001-1500 GRAMS   | 1        | 2   | 17  | 16   | 22   | 22   | 110   | 109   | 46    | 16    | 7     | 1       | 0       | 369   |
| 1501-2000 GRAMS   | 5        | 7   | 22  | 34   | 45   | 50   | 230   | 268   | 140   | 47    | 13    | 0       | 0       | 911   |
| 2001-2500 GRAMS   | 7        | 23  | 65  | 115  | 162  | 171  | 894   | 902   | 453   | 154   | 43    | 4       | 0       | 2993  |
| 2501-3000 GRAMS   | 28       | 80  | 220 | 389  | 535  | 645  | 3950  | 4048  | 1660  | 482   | 126   | 5       | 1       | 12169 |
| 3001-3500 GRAMS   | 38       | 117 | 340 | 655  | 1038 | 1287 | 8274  | 9548  | 3865  | 972   | 249   | 4       | 3       | 26396 |
| 3501-4000 GRAMS   | 20       | 77  | 191 | 392  | 604  | 692  | 5687  | 6938  | 3002  | 899   | 201   | 15      | 3       | 18771 |
| 4001-4500 GRAMS   | 4        | 6   | 44  | 55   | 106  | 179  | 1470  | 1898  | 942   | 320   | 74    | 3       | 1       | 5102  |
| 4501-5000 GRAMS   | 0        | 4   | 5   | 5    | 16   | 22   | 218   | 304   | 195   | 59    | 20    | 2       | 0       | 850   |
| OVER 5000 GRAMS   | 0        | 0   | 0   | 1    | 1    | 0    | 21    | 39    | 17    | 12    | 2     | 1       | 0       | 94    |
| UNKNOWN WEIGHT    | 0        | 0   | 0   | 3    | 3    | 0    | 10    | 15    | 6     | 0     | 0     | 0       | 0       | 37    |
| TOTAL             | 104      | 325 | 915 | 1678 | 2560 | 3085 | 21031 | 24241 | 10366 | 2983  | 739   | 35      | 8       | 68070 |
| LEGITIMATE BIRTHS |          |     |     |      |      |      |       |       |       |       |       |         |         |       |
| BIRTH WEIGHT      |          |     |     |      |      |      |       |       |       |       |       |         |         |       |
| UNDER 1001 GRAMS  | 0        | 1   | 0   | 6    | 19   | 9    | 91    | 116   | 39    | 22    | 3     | 0       | 0       | 306   |
| 1001-1500 GRAMS   | 0        | 0   | 4   | 6    | 8    | 15   | 89    | 105   | 42    | 15    | 4     | 1       | 0       | 289   |
| 1501-2000 GRAMS   | 0        | 1   | 12  | 11   | 22   | 37   | 226   | 252   | 132   | 39    | 13    | 0       | 0       | 745   |
| 2001-2500 GRAMS   | 0        | 5   | 20  | 61   | 99   | 118  | 723   | 845   | 421   | 140   | 41    | 4       | 0       | 2477  |
| 2501-3000 GRAMS   | 1        | 25  | 82  | 195  | 317  | 458  | 3404  | 3842  | 1585  | 453   | 119   | 5       | 1       | 10487 |
| 3001-3500 GRAMS   | 2        | 24  | 138 | 346  | 685  | 952  | 7401  | 9182  | 3733  | 932   | 232   | 4       | 2       | 23633 |
| 3501-4000 GRAMS   | 4        | 22  | 79  | 242  | 452  | 540  | 5228  | 6809  | 2928  | 868   | 194   | 14      | 3       | 17363 |
| 4001-4500 GRAMS   | 1        | 3   | 18  | 31   | 79   | 143  | 1361  | 1848  | 917   | 311   | 71    | 3       | 1       | 4792  |
| 4501-5000 GRAMS   | 0        | 1   | 3   | 5    | 13   | 17   | 202   | 294   | 191   | 58    | 20    | 2       | 0       | 806   |
| OVER 5000 GRAMS   | 0        | 0   | 0   | 1    | 1    | 0    | 20    | 38    | 17    | 12    | 1     | 1       | 0       | 91    |
| UNKNOWN WEIGHT    | 0        | 0   | 0   | 1    | 2    | 0    | 10    | 13    | 6     | 0     | 0     | 0       | 0       | 32    |
| TOTAL             | 8        | 62  | 356 | 905  | 1697 | 2294 | 18755 | 23344 | 10011 | 2850  | 698   | 34      | 7       | 61041 |

## ILLEGITIMATE BIRTHS

# LIGHT WEIGHT

| UNDER 1001 GRAMS | 1  | 2   | 3   | 4   | 5   | 7   | 9   | 8   | 26   | 6   | 1   | 0   | 1  | 0 | 0 | 72   |
|------------------|----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|----|---|---|------|
| 1001-1500 GRAMS  | 1  | 2   | 13  |     | 13  | 10  | 14  | 7   | 21   | 4   | 4   | 0   | 3  | 0 | 0 | 80   |
| 1501-2000 GRAMS  | 5  | 6   | 10  | 23  | 10  | 23  | 23  | 13  | 54   | 16  | 8   | 0   | 0  | 0 | 0 | 166  |
| 2001-2500 GRAMS  | 7  | 18  | 45  |     | 45  | 54  | 63  | 53  | 171  | 57  | 32  | 14  | 2  | 0 | 0 | 516  |
| 2501-3000 GRAMS  | 27 | 55  | 138 |     | 138 | 194 | 210 | 187 | 546  | 206 | 75  | 29  | 7  | 0 | 0 | 1682 |
| 3001-3500 GRAMS  | 36 | 93  | 208 | 300 | 300 | 309 | 353 | 335 | 873  | 366 | 132 | 40  | 17 | 0 | 1 | 2763 |
| 3501-4000 GRAMS  | 16 | 55  | 112 |     | 112 | 150 | 152 | 152 | 459  | 179 | 74  | 31  | 7  | 1 | 0 | 1388 |
| 4001-4500 GRAMS  | 3  | 3   | 26  | 24  | 26  | 24  | 27  | 31  | 109  | 50  | 25  | 9   | 3  | 0 | 0 | 310  |
| 4501-5000 GRAMS  | 0  | 3   | 2   |     | 2   | 0   | 3   | 5   | 16   | 10  | 4   | 1   | 0  | 0 | 0 | 44   |
| OVER 5000 GRAMS  | 0  | 0   | 0   |     | 0   | 0   | 0   | 0   | 0    | 1   | 0   | 0   | 1  | 0 | 0 | 3    |
| UNKNOWN WEIGHT   | 0  | 0   | 0   |     | 0   | 2   | 1   | 0   | 0    | 2   | 0   | 0   | 0  | 0 | 0 | 5    |
| TOTAL            | 96 | 243 | 559 |     | 559 | 773 | 863 | 791 | 1276 | 897 | 355 | 133 | 41 | 1 | 1 | 7029 |

| AGE     | ***** TOTAL |       | ***** W H I T E ***** |         | ***** N O N - W H I T E ***** |        | ***** TOTAL |      | ***** TOTAL |         | ***** TOTAL |        |
|---------|-------------|-------|-----------------------|---------|-------------------------------|--------|-------------|------|-------------|---------|-------------|--------|
|         | * TOTAL     | MALE  | FEMALE                | * TOTAL | MALE                          | FEMALE | * TOTAL     | MALE | FEMALE      | * TOTAL | MALE        | FEMALE |
| UNDER 1 | 903         | 526   | 377                   | 812     | 481                           | 331    | 87          | 43   | 44          | 4       | 2           | 2      |
| 1       | 60          | 34    | 26                    | 58      | 34                            | 24     | 2           | 0    | 2           | 0       | 0           | 0      |
| 2       | 29          | 16    | 13                    | 26      | 14                            | 12     | 3           | 2    | 1           | 0       | 0           | 0      |
| 3       | 36          | 17    | 19                    | 34      | 16                            | 18     | 1           | 0    | 1           | 1       | 1           | 0      |
| 4       | 27          | 18    | 9                     | 26      | 17                            | 9      | 1           | 1    | 0           | 0       | 0           | 0      |
| 5       | 34          | 22    | 12                    | 31      | 19                            | 12     | 3           | 3    | 0           | 0       | 0           | 0      |
| 6       | 22          | 14    | 8                     | 21      | 14                            | 7      | 1           | 0    | 1           | 0       | 0           | 0      |
| 7       | 22          | 13    | 9                     | 17      | 10                            | 7      | 4           | 2    | 2           | 1       | 1           | 0      |
| 8       | 14          | 8     | 6                     | 13      | 7                             | 6      | 1           | 1    | 0           | 0       | 0           | 0      |
| 9       | 23          | 14    | 9                     | 19      | 10                            | 9      | 4           | 4    | 0           | 0       | 0           | 0      |
| 10      | 24          | 19    | 5                     | 23      | 18                            | 5      | 1           | 1    | 0           | 0       | 0           | 0      |
| 11      | 23          | 12    | 11                    | 21      | 10                            | 11     | 2           | 2    | 0           | 0       | 0           | 0      |
| 12      | 22          | 12    | 10                    | 20      | 12                            | 8      | 2           | 0    | 2           | 0       | 0           | 0      |
| 13      | 30          | 23    | 7                     | 27      | 21                            | 6      | 3           | 2    | 1           | 0       | 0           | 0      |
| 14      | 47          | 28    | 19                    | 45      | 26                            | 19     | 2           | 2    | 0           | 0       | 0           | 0      |
| 15      | 41          | 25    | 16                    | 40      | 24                            | 16     | 1           | 1    | 0           | 0       | 0           | 0      |
| 16      | 64          | 41    | 23                    | 60      | 37                            | 23     | 4           | 4    | 0           | 0       | 0           | 0      |
| 17      | 110         | 81    | 29                    | 100     | 74                            | 26     | 10          | 7    | 3           | 0       | 0           | 0      |
| 18      | 117         | 83    | 34                    | 110     | 79                            | 31     | 6           | 4    | 2           | 1       | 0           | 1      |
| 19      | 94          | 66    | 28                    | 88      | 61                            | 27     | 6           | 5    | 1           | 0       | 0           | 0      |
| 20      | 114         | 90    | 24                    | 105     | 85                            | 20     | 6           | 4    | 2           | 3       | 1           | 2      |
| TOTAL   | 1856        | 1162  | 694                   | 1696    | 1069                          | 627    | 150         | 88   | 62          | 10      | 5           | 5      |
| UNDER 5 | 1055        | 611   | 444                   | 956     | 562                           | 394    | 94          | 46   | 48          | 5       | 3           | 2      |
| 5-9     | 115         | 71    | 44                    | 101     | 60                            | 41     | 13          | 10   | 3           | 1       | 0           | 0      |
| 10-14   | 146         | 94    | 52                    | 136     | 87                            | 49     | 10          | 7    | 3           | 0       | 0           | 0      |
| 15-19   | 426         | 296   | 130                   | 398     | 275                           | 123    | 27          | 21   | 6           | 1       | 0           | 1      |
| 20-24   | 537         | 421   | 116                   | 497     | 392                           | 109    | 37          | 28   | 9           | 3       | 2           | 2      |
| 25-29   | 481         | 345   | 136                   | 443     | 321                           | 122    | 36          | 23   | 13          | 2       | 1           | 1      |
| 30-34   | 422         | 277   | 145                   | 367     | 241                           | 126    | 54          | 35   | 19          | 1       | 1           | 0      |
| 35-39   | 500         | 314   | 186                   | 438     | 271                           | 167    | 60          | 41   | 19          | 2       | 2           | 0      |
| 40-44   | 812         | 538   | 274                   | 751     | 498                           | 253    | 60          | 39   | 21          | 1       | 1           | 0      |
| 45-49   | 1910        | 952   | 558                   | 1427    | 898                           | 529    | 80          | 52   | 28          | 3       | 2           | 1      |
| 50-54   | 2365        | 1544  | 821                   | 2258    | 1478                          | 780    | 107         | 66   | 41          | 0       | 0           | 0      |
| 55-59   | 3377        | 2235  | 1142                  | 3270    | 2170                          | 1100   | 104         | 63   | 41          | 3       | 2           | 1      |
| 60-64   | 4644        | 2983  | 1661                  | 4518    | 2909                          | 1609   | 122         | 72   | 41          | 4       | 2           | 2      |
| 65-69   | 5668        | 3414  | 2254                  | 5537    | 3343                          | 2194   | 126         | 69   | 57          | 5       | 2           | 2      |
| 70-74   | 6808        | 3735  | 3073                  | 6677    | 3663                          | 3014   | 125         | 68   | 57          | 6       | 4           | 2      |
| 75-79   | 7565        | 3645  | 3920                  | 7424    | 3573                          | 3851   | 139         | 70   | 69          | 2       | 2           | 0      |
| 80-84   | 7811        | 3295  | 4916                  | 7687    | 3222                          | 4465   | 115         | 67   | 48          | 9       | 6           | 3      |
| OVER 84 | 9463        | 3266  | 6197                  | 9339    | 3214                          | 6125   | 122         | 52   | 70          | 2       | 2           | 2      |
| UNKNOWN | 2           | 1     | 1                     | 2       | 1                             | 1      | 0           | 0    | 0           | 0       | 0           | 0      |
| TOTAL   | 63707       | 28037 | 25670                 | 52226   | 27178                         | 25048  | 1431        | 629  | 02          | 50      | 30          | 20     |

1 DEATH RECORD EXCLUDED DUE TO UNKNOWN SEX

TABLE 5  
MASSACHUSETTS  
RESIDENT NEONATAL DEATHS BY AGE, COLOR AND SEX

|                            | TOTAL      |              |       | WHITE      |              | NON-WHITE  |              | OTHER AND UNKNOWN |              |   |   |   |
|----------------------------|------------|--------------|-------|------------|--------------|------------|--------------|-------------------|--------------|---|---|---|
|                            | TOTAL MALE | TOTAL FEMALE | TOTAL | TOTAL MALE | TOTAL FEMALE | TOTAL MALE | TOTAL FEMALE | TOTAL MALE        | TOTAL FEMALE |   |   |   |
| UNDER 1 DAY                | 392        | 225          | 167   | 364        | 214          | 150        | 26           | 11                | 17           | 0 | 0 | 0 |
| 1 DAY                      | 81         | 54           | 27    | 71         | 46           | 25         | 9            | 7                 | 2            | 1 | 1 | 0 |
| UNDER 2 DAYS               | 63         | 28           | 35    | 54         | 24           | 30         | 7            | 3                 | 4            | 2 | 1 | 1 |
| UNDER 3 DAYS               | 29         | 16           | 11    | 27         | 16           | 11         | 2            | 2                 | 0            | 0 | 0 | 0 |
| UNDER 4 DAYS               | 12         | 6            | 6     | 10         | 5            | 5          | 2            | 1                 | 1            | 0 | 0 | 0 |
| UNDER 5 DAYS               | 14         | 6            | 8     | 12         | 6            | 6          | 2            | 0                 | 2            | 0 | 0 | 0 |
| UNDER 6 DAYS               | 21         | 14           | 7     | 18         | 14           | 4          | 2            | 0                 | 2            | 1 | 0 | 1 |
| UNDER 1 WEEK<br>(SUBTOTAL) | 612        | 351          | 261   | 556        | 325          | 231        | 52           | 24                | 28           | 4 | 2 | 2 |
| 7-13 DAYS                  | 23         | 16           | 7     | 20         | 14           | 6          | 3            | 2                 | 1            | 0 | 0 | 0 |
| 14-27 DAYS                 | 43         | 21           | 22    | 37         | 17           | 20         | 5            | 3                 | 2            | 1 | 1 | 0 |
| UNDER 28 DAYS<br>(TOTAL)   | 678        | 388          | 290   | 613        | 356          | 257        | 60           | 29                | 31           | 5 | 3 | 2 |

1 DEATH RECORD EXCLUDED DUE TO UNKNOWN SEX

TABLE 6  
MASSACHUSETTS  
RESIDENT NEONATAL AND FETAL DEATHS BY CAUSE, COLOR AND SEX

| ***** NEONATAL DEATHS ***** |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------|--|--|--|--|--|--|--|--|--|--|--|
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
| ***** FETAL DEATHS *****    |  |  |  |  |  |  |  |  |  |  |  |
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|                  |  |     |     |    |    |   |   |     |     |     |    |    |     |     |     |     |     |   |   |   |
|------------------|--|-----|-----|----|----|---|---|-----|-----|-----|----|----|-----|-----|-----|-----|-----|---|---|---|
| 764              | DIFFICULT LABOR WITH<br>ABNORMALITY OF BONES,<br>ORGANS, OR TISSUES OF<br>PELVIS | 0   | 0   | 0  | 0  | 0 | 0 | 0   | 0   | 0   | 0  | 0  | 0   | 1   | 0   | 0   | 0   | 0 | 1 | 2 |
| 768              | DIFFICULT LABOR WITH<br>OTHER AND UNSPECIFIED<br>COMPLICATIONS                   | 5   | 4   | 0  | 0  | 0 | 0 | 0   | 0   | 9   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0 | 0 | 0 |
| 769              | OTHER COMPLICATIONS OF<br>PREGNANCY AND CHILDBIRTH                               | 29  | 22  | 3  | 2  | 0 | 0 | 0   | 0   | 56  | 6  | 7  | 1   | 0   | 3   | 4   | 21  |   |   |   |
| 770              | CONDITIONS OF PLACENTA   | 11  | 11  | 0  | 1  | 0 | 0 | 0   | 0   | 23  | 59 | 36 | 2   | 0   | 30  | 17  | 148 |   |   |   |
| 771              | CONDITIONS OF UMBILICAL<br>CORD  | 3   | 1   | 1  | 0  | 0 | 0 | 0   | 0   | 5   | 45 | 40 | 1   | 3   | 17  | 12  | 118 |   |   |   |
| 772              | BIRTH INJURY WITHOUT<br>MENTION OF CAUSE   | 13  | 16  | 2  | 2  | 0 | 0 | 0   | 33  | 1   | 0  | 1  | 0   | 1   | 0   | 0   | 3   |   |   |   |
| 773              | TERMINATION OF PREGNANCY   | 0   | 0   | 0  | 0  | 0 | 0 | 0   | 0   | 0   | 3  | 2  | 0   | 0   | 30  | 19  | 55  |   |   |   |
| 774              | HEMOLYTIC DISEASE OF<br>NEWBORN WITH KERNICTERUS                                 | 0   | 0   | 0  | 0  | 0 | 0 | 0   | 0   | 0   | 5  | 2  | 0   | 0   | 5   | 1   | 13  |   |   |   |
| 775              | HEMOLYTIC DISEASE OF<br>NEWBORN WITHOUT MENTION<br>OF KERNICTERUS                | 3   | 2   | 0  | 0  | 0 | 0 | 0   | 5   | 1   | 0  | 0  | 0   | 0   | 0   | 0   | 1   |   |   |   |
| 776              | ANOXIC AND HYPOXIC CONDITIONS<br>NOT ELSEWHERE CLASSIFIED                        | 111 | 75  | 7  | 6  | 2 | 0 | 0   | 201 | 33  | 34 | 3  | 1   | 25  | 18  | 116 |     |   |   |   |
| 777              | IMMATURITY, UNQUALIFIED  | 65  | 38  | 6  | 6  | 0 | 0 | 0   | 115 | 6   | 2  | 0  | 0   | 13  | 7   | 28  |     |   |   |   |
| 778              | OTHER CONDITIONS OF FETUS<br>OR NEWBORN  | 23  | 23  | 5  | 7  | 0 | 1 | 59  | 1   | 2   | 0  | 0  | 0   | 0   | 1   | 4   |     |   |   |   |
| 779              | FETAL DEATH OF UNKNOWN CAUSE   | 0   | 0   | 0  | 0  | 0 | 0 | 0   | 0   | 28  | 27 | 4  | 3   | 10  | 20  | 93  |     |   |   |   |
| 795              | SUDDEN DEATH, CAUSE UNKNOWN  | 3   | 0   | 1  | 1  | 0 | 0 | 5   | 0   | 0   | 0  | 0  | 0   | 0   | 0   | 0   | 0   |   |   |   |
| ALL OTHER CAUSES |  | 25  | 17  | 2  | 2  | 0 | 1 | 47  | 1   | 2   | 0  | 0  | 0   | 0   | 0   | 3   |     |   |   |   |
| TOTAL            |  | 356 | 257 | 30 | 31 | 2 | 2 | 679 | 207 | 174 | 12 | 10 | 140 | 110 | 664 |     |     |   |   |   |

Neonatal Death Totals include 1 of unknown sex

Fetal Death Totals include 1 of unknown sex

TABLE 7A  
MASSACHUSETTS  
SELECTED CAUSES OF RESIDENT DEATHS BY SEX, COLOR AND AGE

| CAUSE OF DEATH                  | 0-4 | 5-9 | 10-14 | 15-19 | 20-29 | 30-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80+  |
|---------------------------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| <b>MALIGNANT NEOPLASMS</b>      |     |     |       |       |       |       |       |       |       |       |       |       |       |       |      |
| (140-209)                       |     |     |       |       |       |       |       |       |       |       |       |       |       |       |      |
| WHITE MALE                      | 4   | 11  | 16    | 16    | 47    | 67    | 98    | 192   | 329   | 600   | 804   | 878   | 968   | 769   | 1047 |
| WHITE FEMALE                    | 8   | 13  | 9     | 7     | 41    | 105   | 91    | 243   | 354   | 475   | 624   | 696   | 751   | 789   | 1275 |
| NON-WHITE MALE                  | 0   | 1   | 0     | 0     | 2     | 4     | 5     | 7     | 10    | 17    | 21    | 21    | 21    | 21    | 20   |
| NON-WHITE FEMALE                | 0   | 1   | 0     | 0     | 1     | 6     | 7     | 10    | 8     | 13    | 26    | 9     | 8     | 13    | 13   |
| TOTAL                           | 12  | 26  | 25    | 23    | 91    | 182   | 201   | 452   | 701   | 1105  | 1475  | 1604  | 1749  | 1593  | 2357 |
| <b>DIABETES MELLITUS</b>        |     |     |       |       |       |       |       |       |       |       |       |       |       |       |      |
| (250)                           |     |     |       |       |       |       |       |       |       |       |       |       |       |       |      |
| WHITE MALE                      | 1   | 0   | 0     | 0     | 5     | 9     | 6     | 9     | 23    | 36    | 42    | 60    | 63    | 76    | 120  |
| WHITE FEMALE                    | 1   | 0   | 0     | 0     | 4     | 4     | 2     | 7     | 19    | 18    | 41    | 76    | 82    | 91    | 212  |
| NON-WHITE MALE                  | 0   | 0   | 0     | 0     | 0     | 1     | 1     | 1     | 0     | 0     | 3     | 1     | 2     | 1     | 1    |
| NON-WHITE FEMALE                | 0   | 0   | 0     | 0     | 0     | 2     | 0     | 1     | 3     | 4     | 1     | 1     | 4     | 3     | 5    |
| TOTAL                           | 2   | 0   | 0     | 0     | 9     | 16    | 9     | 18    | 45    | 58    | 87    | 139   | 151   | 171   | 339  |
| <b>HEART DISEASES (402.</b>     |     |     |       |       |       |       |       |       |       |       |       |       |       |       |      |
| 404.390-398.410-429)            |     |     |       |       |       |       |       |       |       |       |       |       |       |       |      |
| WHITE MALE                      | 9   | 0   | 2     | 4     | 24    | 84    | 168   | 348   | 687   | 932   | 1255  | 1488  | 1509  | 1505  | 2833 |
| WHITE FEMALE                    | 6   | 1   | 3     | 3     | 7     | 14    | 53    | 87    | 149   | 287   | 498   | 799   | 1206  | 1651  | 5070 |
| NON-WHITE MALE                  | 0   | 0   | 0     | 0     | 4     | 16    | 10    | 14    | 19    | 25    | 32    | 21    | 24    | 24    | 45   |
| NON-WHITE FEMALE                | 1   | 0   | 0     | 2     | 1     | 6     | 2     | 4     | 11    | 13    | 12    | 20    | 21    | 28    | 53   |
| TOTAL                           | 16  | 1   | 5     | 9     | 36    | 120   | 233   | 455   | 866   | 1260  | 1799  | 2330  | 2763  | 3209  | 8006 |
| <b>CEREBROVASCULAR</b>          |     |     |       |       |       |       |       |       |       |       |       |       |       |       |      |
| DISEASE (430-438)               |     |     |       |       |       |       |       |       |       |       |       |       |       |       |      |
| WHITE MALE                      | 1   | 0   | 1     | 1     | 14    | 18    | 24    | 42    | 55    | 81    | 137   | 192   | 294   | 317   | 779  |
| WHITE FEMALE                    | 1   | 1   | 0     | 1     | 9     | 16    | 11    | 21    | 43    | 47    | 122   | 191   | 371   | 550   | 1702 |
| NON-WHITE MALE                  | 0   | 1   | 0     | 1     | 0     | 0     | 4     | 2     | 5     | 3     | 2     | 3     | 4     | 5     | 15   |
| NON-WHITE FEMALE                | 0   | 0   | 0     | 0     | 3     | 0     | 2     | 1     | 4     | 2     | 2     | 8     | 8     | 10    | 17   |
| TOTAL                           | 2   | 2   | 1     | 3     | 26    | 34    | 41    | 66    | 107   | 133   | 264   | 394   | 677   | 882   | 2513 |
| <b>ARTERIOSCLEROSIS</b>         |     |     |       |       |       |       |       |       |       |       |       |       |       |       |      |
| (440)                           |     |     |       |       |       |       |       |       |       |       |       |       |       |       |      |
| WHITE MALE                      | 0   | 0   | 0     | 0     | 0     | 0     | 0     | 0     | 3     | 3     | 6     | 12    | 22    | 35    | 157  |
| WHITE FEMALE                    | 0   | 0   | 0     | 0     | 0     | 0     | 0     | 1     | 0     | 4     | 7     | 14    | 29    | 58    | 387  |
| NON-WHITE MALE                  | 0   | 0   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 0     | 1     | 6    |
| NON-WHITE FEMALE                | 0   | 0   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 2     | 3    |
| TOTAL                           | 0   | 0   | 0     | 0     | 0     | 0     | 0     | 1     | 3     | 7     | 13    | 27    | 52    | 96    | 553  |
| <b>INFLUENZA &amp; PNEUMON-</b> |     |     |       |       |       |       |       |       |       |       |       |       |       |       |      |
| IA (470-474.480-486)            |     |     |       |       |       |       |       |       |       |       |       |       |       |       |      |
| WHITE MALE                      | 27  | 1   | 2     | 1     | 14    | 6     | 12    | 20    | 39    | 49    | 77    | 74    | 121   | 192   | 463  |
| WHITE FEMALE                    | 22  | 0   | 2     | 3     | 10    | 12    | 7     | 8     | 13    | 15    | 30    | 50    | 92    | 161   | 571  |
| NON-WHITE MALE                  | 4   | 0   | 0     | 0     | 0     | 5     | 2     | 4     | 4     | 4     | 3     | 3     | 5     | 7     | 10   |
| NON-WHITE FEMALE                | 1   | 0   | 0     | 0     | 0     | 2     | 0     | 2     | 0     | 0     | 1     | 1     | 1     | 3     | 6    |
| TOTAL                           | 55  | 1   | 4     | 4     | 24    | 25    | 21    | 35    | 56    | 68    | 111   | 128   | 219   | 363   | 1050 |

|  |       |      |     |     |     |      |     |     |      |      |      |      |      |      |      |       |
|--|-------|------|-----|-----|-----|------|-----|-----|------|------|------|------|------|------|------|-------|
| BRONCHITIS. ASTHMA.<br>EMPHYSEMA (490-493) |       |      |     |     |     |      |     |     |      |      |      |      |      |      |      |       |
| WHITE MALE                                 | 422   | 1    | 0   | 0   | 0   | 1    | 3   | 2   | 4    | 7    | 28   | 41   | 77   | 82   | 63   | 113   |
| WHITE FEMALE                               | 151   | 2    | 0   | 0   | 0   | 1    | 0   | 1   | 3    | 8    | 9    | 18   | 22   | 27   | 30   | 30    |
| NON-WHITE MALE                             | 4     | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0    | 0    | 2    | 0    | 1    | 1    | 0     |
| NON-WHITE FEMALE                           | 6     | 0    | 0   | 2   | 0   | 0    | 0   | 0   | 0    | 1    | 0    | 1    | 2    | 0    | 0    | 0     |
| TOTAL                                      | 583   | 3    | 0   | 2   | 0   | 2    | 3   | 3   | 7    | 16   | 37   | 62   | 101  | 110  | 94   | 143   |
| CIRRHOSIS OF LIVER<br>(571)                |       |      |     |     |     |      |     |     |      |      |      |      |      |      |      |       |
| WHITE MALE                                 | 680   | 0    | 0   | 0   | 0   | 3    | 37  | 56  | 72   | 96   | 99   | 114  | 95   | 57   | 34   | 17    |
| WHITE FEMALE                               | 333   | 1    | 0   | 0   | 0   | 1    | 16  | 19  | 41   | 43   | 51   | 47   | 49   | 32   | 17   | 16    |
| NON-WHITE MALE                             | 16    | 0    | 0   | 0   | 0   | 0    | 5   | 1   | 3    | 1    | 2    | 1    | 2    | 1    | 0    | 0     |
| NON-WHITE FEMALE                           | 12    | 0    | 0   | 0   | 0   | 0    | 2   | 1   | 3    | 1    | 1    | 2    | 1    | 0    | 1    | 0     |
| TOTAL                                      | 1042  | 1    | 0   | 0   | 0   | 5    | 60  | 77  | 119  | 141  | 153  | 164  | 147  | 90   | 52   | 33    |
| MOTOR VEHICLE<br>ACCIDENTS (810-823)       |       |      |     |     |     |      |     |     |      |      |      |      |      |      |      |       |
| WHITE MALE                                 | 623   | 9    | 20  | 23  | 132 | 231  | 57  | 13  | 21   | 19   | 16   | 15   | 18   | 11   | 17   | 21    |
| WHITE FEMALE                               | 253   | 5    | 7   | 9   | 51  | 52   | 17  | 9   | 10   | 10   | 15   | 10   | 16   | 17   | 15   | 10    |
| NON-WHITE MALE                             | 29    | 0    | 3   | 0   | 4   | 7    | 4   | 1   | 3    | 5    | 1    | 1    | 0    | 0    | 0    | 0     |
| NON-WHITE FEMALE                           | 8     | 0    | 0   | 0   | 0   | 3    | 0   | 3   | 0    | 1    | 0    | 0    | 0    | 1    | 0    | 0     |
| TOTAL                                      | 918   | 14   | 30  | 32  | 188 | 296  | 78  | 26  | 34   | 35   | 32   | 27   | 34   | 29   | 32   | 31    |
| SUICIDES (950-959)<br>HOMICIDES (960-969)  |       |      |     |     |     |      |     |     |      |      |      |      |      |      |      |       |
| WHITE MALE                                 | 541   | 3    | 0   | 3   | 39  | 147  | 81  | 32  | 44   | 38   | 44   | 35   | 27   | 26   | 11   | 11    |
| WHITE FEMALE                               | 190   | 1    | 0   | 2   | 14  | 47   | 33  | 12  | 20   | 13   | 10   | 11   | 8    | 8    | 5    | 6     |
| NON-WHITE MALE                             | 63    | 1    | 0   | 2   | 9   | 18   | 18  | 1   | 4    | 6    | 2    | 0    | 1    | 0    | 0    | 1     |
| NON-WHITE FEMALE                           | 10    | 0    | 0   | 0   | 0   | 3    | 4   | 0   | 1    | 2    | 0    | 0    | 0    | 0    | 0    | 0     |
| TOTAL                                      | 806   | 5    | 0   | 7   | 62  | 216  | 136 | 46  | 69   | 59   | 56   | 46   | 36   | 34   | 16   | 18    |
| ALL OTHER ACCIDENTS<br>(800-807, 825-949)  |       |      |     |     |     |      |     |     |      |      |      |      |      |      |      |       |
| WHITE MALE                                 | 758   | 23   | 15  | 20  | 42  | 114  | 64  | 24  | 47   | 37   | 47   | 67   | 58   | 35   | 52   | 113   |
| WHITE FEMALE                               | 570   | 12   | 6   | 10  | 18  | 19   | 21  | 9   | 7    | 22   | 15   | 20   | 27   | 42   | 74   | 268   |
| NON-WHITE MALE                             | 40    | 1    | 2   | 2   | 5   | 9    | 7   | 1   | 4    | 5    | 1    | 0    | 1    | 0    | 1    | 1     |
| NON-WHITE FEMALE                           | 22    | 3    | 1   | 0   | 1   | 6    | 2   | 1   | 1    | 1    | 0    | 2    | 1    | 1    | 1    | 1     |
| TOTAL                                      | 1392  | 39   | 24  | 32  | 66  | 148  | 96  | 35  | 59   | 65   | 63   | 89   | 87   | 78   | 128  | 363   |
| ALL MASSACHUSETTS<br>RESIDENT DEATHS       |       |      |     |     |     |      |     |     |      |      |      |      |      |      |      |       |
| WHITE MALE                                 | 27178 | 562  | 60  | 87  | 275 | 713  | 512 | 498 | 898  | 1478 | 2170 | 2909 | 3343 | 3663 | 3573 | 6436  |
| WHITE FEMALE                               | 25048 | 394  | 41  | 49  | 123 | 227  | 293 | 253 | 529  | 780  | 1100 | 1609 | 2194 | 3014 | 3851 | 10590 |
| NON-WHITE MALE                             | 829   | 46   | 10  | 7   | 21  | 51   | 76  | 39  | 52   | 66   | 63   | 72   | 69   | 68   | 70   | 119   |
| NON-WHITE FEMALE                           | 602   | 48   | 3   | 3   | 6   | 22   | 38  | 21  | 28   | 41   | 41   | 50   | 57   | 57   | 69   | 118   |
| TOTAL                                      | 53706 | 1056 | 115 | 146 | 426 | 1018 | 922 | 812 | 1510 | 2365 | 3377 | 4644 | 5668 | 6808 | 7565 | 17274 |

NOTE: PERSONS OF UNKNOWN RACE (50), SEX (2) OR AGE (1) ARE INCLUDED IN TOTALS ONLY

TABLE 7B  
MASSACHUSETTS  
RATES PER 100,000 FOR SELECTED CAUSES OF RESIDENT DEATHS BY SEX, COLOR, AND AGE

| CAUSE OF DEATH                              | TOTAL | 0-4  | 5-9 | 10-14 | 15-19 | 20-29 | 30-39 | A G E |       |       | 45-49 | 50-54  | 55-59  | 60-64  | 65-69  | 70-74  | 75-79 | 80+ |
|---|-------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|-------|-----|
|   |       |      |     |       |       |       |       | 40-44 | 40-44 | 40-44 |       |        |        |        |        |        |       |     |
| MALIGNANT NEOPLASMS (140-209)               |       |      |     |       |       |       |       |       |       |       |       |        |        |        |        |        |       |     |
| WHITE MALE                                  | 223.2 | 1.8  | 4.2 | 5.9   | 6.5   | 12.3  | 24.1  | 63.1  | 120.6 | 217.9 | 453.6 | 724.3  | 1027.7 | 1465.5 | 1663.6 | 2482.0 |       |     |
| WHITE FEMALE                                | 191.7 | 3.7  | 5.1 | 3.5   | 2.8   | 9.9   | 36.5  | 55.4  | 140.3 | 199.8 | 313.0 | 455.7  | 590.0  | 721.1  | 1010.7 | 1520.7 |       |     |
| NON-WHITE MALE                              | 149.3 | 0.0  | 7.7 | 0.0   | 0.0   | 11.6  | 32.3  | 96.9  | 144.0 | 256.3 | 617.7 | 991.0  | 1189.1 | 1458.3 | 2243.6 | 1808.3 |       |     |
| NON-WHITE FEMALE                            | 103.5 | 0.0  | 7.7 | 0.0   | 0.0   | 4.9   | 42.2  | 114.2 | 188.9 | 191.6 | 390.6 | 953.4  | 387.3  | 421.7  | 994.6  | 859.8  |       |     |
| TOTAL                                       | 203.8 | 2.6  | 4.8 | 4.5   | 4.5   | 10.9  | 30.7  | 60.8  | 131.9 | 214.9 | 380.9 | 583.5  | 773.1  | 1007.9 | 1259.0 | 1832.1 |       |     |
| DIABETES MELLITUS (250)                     |       |      |     |       |       |       |       |       |       |       |       |        |        |        |        |        |       |     |
| WHITE MALE                                  | 17.2  | 0.4  | 0.0 | 0.0   | 0.0   | 1.3   | 3.2   | 3.9   | 5.7   | 15.2  | 27.2  | 37.8   | 70.2   | 95.4   | 164.4  | 284.5  |       |     |
| WHITE FEMALE                                | 19.5  | 0.5  | 0.0 | 0.0   | 0.0   | 1.0   | 1.4   | 1.2   | 4.0   | 10.7  | 11.9  | 29.9   | 64.4   | 78.7   | 116.6  | 252.8  |       |     |
| NON-WHITE MALE                              | 10.9  | 0.0  | 0.0 | 0.0   | 0.0   | 0.0   | 8.1   | 19.4  | 20.6  | 0.0   | 0.0   | 141.6  | 56.6   | 138.9  | 106.8  | 90.4   |       |     |
| NON-WHITE FEMALE                            | 21.6  | 0.0  | 0.0 | 0.0   | 0.0   | 0.0   | 14.1  | 0.0   | 18.9  | 71.8  | 120.2 | 36.7   | 43.0   | 210.9  | 229.5  | 330.7  |       |     |
| TOTAL                                       | 18.4  | 0.4  | 0.0 | 0.0   | 0.0   | 1.1   | 2.7   | 2.7   | 5.3   | 13.8  | 20.0  | 34.4   | 67.0   | 87.0   | 135.1  | 263.5  |       |     |
| HEART DISEASES (402, 404, 390-398, 410-429) |       |      |     |       |       |       |       |       |       |       |       |        |        |        |        |        |       |     |
| WHITE MALE                                  | 414.2 | 4.0  | 0.0 | 0.7   | 1.6   | 6.3   | 30.2  | 108.2 | 218.6 | 455.1 | 704.6 | 1130.5 | 1741.8 | 2284.6 | 3255.9 | 6715.8 |       |     |
| WHITE FEMALE                                | 344.0 | 2.8  | 0.4 | 1.2   | 1.2   | 1.7   | 4.9   | 32.3  | 50.2  | 84.1  | 189.1 | 363.7  | 677.3  | 1158.1 | 2115.0 | 6046.9 |       |     |
| NON-WHITE MALE                              | 232.9 | 0.0  | 0.0 | 0.0   | 0.0   | 23.1  | 129.1 | 193.8 | 288.0 | 487.1 | 908.4 | 1510.1 | 1189.1 | 1666.7 | 2564.1 | 4068.7 |       |     |
| NON-WHITE FEMALE                            | 156.6 | 7.9  | 0.0 | 0.0   | 19.5  | 4.9   | 42.2  | 32.6  | 75.6  | 263.4 | 390.6 | 440.0  | 860.6  | 1107.0 | 2142.3 | 3505.3 |       |     |
| TOTAL                                       | 371.0 | 3.4  | 0.2 | 0.9   | 1.7   | 4.3   | 20.3  | 70.4  | 132.8 | 265.5 | 434.3 | 711.7  | 1123.0 | 1592.3 | 2536.2 | 6223.2 |       |     |
| CEREBROVASCULAR DISEASE (430-438)           |       |      |     |       |       |       |       |       |       |       |       |        |        |        |        |        |       |     |
| WHITE MALE                                  | 74.7  | 0.4  | 0.0 | 0.4   | 0.4   | 3.7   | 6.5   | 15.5  | 26.4  | 36.4  | 61.2  | 123.4  | 224.7  | 445.1  | 685.8  | 1846.7 |       |     |
| WHITE FEMALE                                | 108.0 | 0.5  | 0.4 | 0.0   | 0.4   | 2.2   | 5.6   | 6.7   | 12.1  | 24.3  | 31.0  | 89.1   | 161.9  | 356.3  | 704.6  | 2029.9 |       |     |
| NON-WHITE MALE                              | 44.8  | 0.0  | 7.7 | 0.0   | 10.3  | 0.0   | 0.0   | 77.5  | 41.1  | 128.2 | 109.0 | 94.4   | 169.9  | 277.8  | 534.2  | 1356.2 |       |     |
| NON-WHITE FEMALE                            | 51.3  | 0.0  | 0.0 | 0.0   | 0.0   | 14.6  | 0.0   | 32.6  | 18.9  | 95.8  | 60.1  | 73.3   | 344.2  | 421.7  | 765.1  | 1124.3 |       |     |
| TOTAL                                       | 90.4  | 0.4  | 0.4 | 0.2   | 0.6   | 3.1   | 5.7   | 12.4  | 19.3  | 32.8  | 45.8  | 104.4  | 189.9  | 390.1  | 697.1  | 1953.4 |       |     |
| ARTERIOSCLEROSIS (440)                      |       |      |     |       |       |       |       |       |       |       |       |        |        |        |        |        |       |     |
| WHITE MALE                                  | 9.1   | 0.0  | 0.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 2.0   | 2.3   | 5.4    | 14.0   | 33.3   | 75.7   | 372.2  |       |     |
| WHITE FEMALE                                | 17.5  | 0.0  | 0.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.6   | 0.0   | 2.6   | 5.1    | 11.9   | 27.8   | 74.3   | 461.6  |       |     |
| NON-WHITE MALE                              | 8.0   | 0.0  | 0.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 56.6   | 0.0    | 106.8  | 542.5  |       |     |
| NON-WHITE FEMALE                            | 5.4   | 0.0  | 0.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 52.7   | 153.0  | 198.4  |       |     |
| TOTAL                                       | 13.2  | 0.0  | 0.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 0.9   | 2.4   | 5.1    | 13.0   | 30.0   | 75.9   | 429.9  |       |     |
| INFLUENZA & PNEUMONIA (470-474, 480-486)    |       |      |     |       |       |       |       |       |       |       |       |        |        |        |        |        |       |     |
| WHITE MALE                                  | 41.9  | 11.9 | 0.4 | 0.7   | 0.4   | 3.7   | 2.2   | 7.7   | 12.6  | 25.8  | 37.0  | 69.4   | 86.6   | 183.2  | 415.4  | 1057.6 |       |     |
| WHITE FEMALE                                | 34.8  | 10.1 | 0.0 | 0.8   | 1.2   | 2.4   | 4.2   | 4.3   | 4.6   | 7.3   | 9.9   | 21.9   | 42.4   | 88.3   | 206.2  | 681.0  |       |     |
| NON-WHITE MALE                              | 50.8  | 32.0 | 0.0 | 0.0   | 0.0   | 0.0   | 40.3  | 38.8  | 82.3  | 102.5 | 145.3 | 141.6  | 169.9  | 347.2  | 747.9  | 904.2  |       |     |
| NON-WHITE FEMALE                            | 15.3  | 7.9  | 0.0 | 0.0   | 0.0   | 0.0   | 14.1  | 0.0   | 37.8  | 0.0   | 0.0   | 0.0    | 36.7   | 52.7   | 229.5  | 396.8  |       |     |
| TOTAL                                       | 38.0  | 11.7 | 0.2 | 0.7   | 0.8   | 2.9   | 4.2   | 6.3   | 10.2  | 17.2  | 23.4  | 43.9   | 61.7   | 126.2  | 286.9  | 816.2  |       |     |



|  |        |       |      |     |      |       |       |       |       |        |        |        |        |        |        |
|--|--------|-------|------|-----|------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| <b>BRONCHITIS, ASTHMA,<br/>EMPHYSEMA (490-493)</b> |        |       |      |     |      |       |       |       |       |        |        |        |        |        |        |
| WHITE MALE   | 16.1   | 0.4   | 0.0  | 0.0 | 0.0  | 0.0   | 0.3   | 1.1   | 1.3   | 2.5    | 4.6    | 21.2   | 36.9   | 90.1   | 124.1  |
| WHITE FEMALE                                       | 5.3    | 0.9   | 0.0  | 0.0 | 0.0  | 0.0   | 0.2   | 0.0   | 0.6   | 1.7    | 4.5    | 5.9    | 13.1   | 18.7   | 25.9   |
| NON-WHITE MALE                                     | 4.0    | 0.0   | 0.0  | 0.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 94.4   | 0.0    | 69.4   |
| NON-WHITE FEMALE                                   | 5.4    | 0.0   | 0.0  | 0.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 23.9   | 0.0    | 36.7   | 86.1   | 0.0    |
| TOTAL  | 10.2   | 0.6   | 0.0  | 0.0 | 0.0  | 0.0   | 0.2   | 0.5   | 0.9   | 2.0    | 4.9    | 12.8   | 24.5   | 48.7   | 63.4   |
| <b>CIRRHOSIS OF LIVER<br/>(571)</b>                |        |       |      |     |      |       |       |       |       |        |        |        |        |        |        |
| WHITE MALE   | 26.0   | 0.0   | 0.0  | 0.0 | 0.0  | 0.0   | 0.8   | 13.3  | 36.1  | 45.2   | 63.6   | 74.8   | 102.7  | 111.2  | 86.3   |
| WHITE FEMALE                                       | 11.6   | 0.5   | 0.0  | 0.0 | 0.0  | 0.0   | 0.2   | 5.6   | 11.6  | 23.7   | 24.3   | 33.6   | 34.3   | 41.5   | 30.7   |
| NON-WHITE MALE                                     | 15.9   | 0.0   | 0.0  | 0.0 | 0.0  | 0.0   | 0.0   | 40.3  | 19.4  | 61.7   | 25.6   | 72.7   | 47.2   | 113.3  | 69.4   |
| NON-WHITE FEMALE                                   | 10.8   | 0.0   | 0.0  | 0.0 | 0.0  | 0.0   | 0.0   | 14.1  | 16.3  | 56.7   | 23.9   | 30.0   | 73.3   | 43.0   | 0.0    |
| TOTAL  | 18.3   | 0.2   | 0.0  | 0.0 | 0.0  | 0.0   | 0.6   | 10.1  | 23.3  | 34.7   | 43.2   | 52.7   | 64.9   | 70.8   | 51.9   |
| <b>MOTOR VEHICLE<br/>ACCIDENTS (810-823)</b>       |        |       |      |     |      |       |       |       |       |        |        |        |        |        |        |
| WHITE MALE   | 23.8   | 4.0   | 7.6  | 0.0 | 8.4  | 53.8  | 60.3  | 20.5  | 8.4   | 13.2   | 12.6   | 12.1   | 13.5   | 21.1   | 16.7   |
| WHITE FEMALE                                       | 8.9    | 2.3   | 2.8  | 0.0 | 3.5  | 20.5  | 12.5  | 5.9   | 5.5   | 5.8    | 6.0    | 9.9    | 7.3    | 13.6   | 16.3   |
| NON-WHITE MALE                                     | 28.9   | 0.0   | 23.0 | 0.0 | 0.0  | 41.0  | 40.5  | 32.3  | 19.4  | 61.7   | 128.2  | 36.3   | 47.2   | 0.0    | 0.0    |
| NON-WHITE FEMALE                                   | 7.2    | 0.0   | 0.0  | 0.0 | 0.0  | 0.0   | 14.6  | 0.0   | 48.9  | 0.0    | 23.9   | 0.0    | 0.0    | 0.0    | 52.7   |
| TOTAL  | 16.1   | 3.0   | 5.5  | 0.0 | 5.8  | 36.5  | 35.4  | 13.2  | 7.9   | 9.9    | 10.7   | 11.0   | 10.7   | 16.4   | 16.7   |
| <b>SUICIDES (950-959)<br/>HOMICIDES (960-969)</b>  |        |       |      |     |      |       |       |       |       |        |        |        |        |        |        |
| WHITE MALE   | 20.7   | 1.3   | 0.0  | 0.0 | 1.1  | 15.9  | 38.3  | 29.1  | 20.6  | 27.6   | 25.2   | 33.3   | 31.5   | 31.6   | 39.4   |
| WHITE FEMALE                                       | 6.6    | 0.5   | 0.0  | 0.0 | 0.8  | 5.6   | 11.3  | 11.5  | 7.3   | 11.5   | 7.3    | 6.6    | 8.0    | 6.8    | 7.7    |
| NON-WHITE MALE                                     | 62.7   | 8.0   | 0.0  | 0.0 | 17.5 | 92.3  | 104.1 | 145.2 | 19.4  | 82.3   | 153.8  | 72.7   | 0.0    | 56.6   | 0.0    |
| NON-WHITE FEMALE                                   | 9.0    | 0.0   | 0.0  | 0.0 | 0.0  | 0.0   | 14.6  | 28.1  | 0.0   | 18.9   | 47.9   | 0.0    | 0.0    | 0.0    | 0.0    |
| TOTAL  | 14.2   | 1.1   | 0.0  | 0.0 | 1.3  | 12.0  | 25.8  | 23.0  | 13.9  | 20.1   | 18.1   | 19.3   | 18.2   | 17.4   | 19.6   |
| <b>ALL OTHER ACCIDENTS<br/>(800-807,825-949)</b>   |        |       |      |     |      |       |       |       |       |        |        |        |        |        |        |
| WHITE MALE   | 28.9   | 10.1  | 5.7  | 0.0 | 7.3  | 17.1  | 29.7  | 23.0  | 15.5  | 29.5   | 24.5   | 35.5   | 60.4   | 67.9   | 53.0   |
| WHITE FEMALE                                       | 19.9   | 5.5   | 2.4  | 0.0 | 3.8  | 7.2   | 4.6   | 7.3   | 5.5   | 4.0    | 12.4   | 9.9    | 14.6   | 22.9   | 40.3   |
| NON-WHITE MALE                                     | 39.8   | 8.0   | 15.3 | 0.0 | 17.5 | 51.3  | 52.1  | 56.5  | 19.4  | 82.3   | 128.2  | 36.3   | 0.0    | 56.6   | 0.0    |
| NON-WHITE FEMALE                                   | 19.8   | 23.8  | 7.7  | 0.0 | 0.0  | 9.8   | 29.1  | 14.1  | 16.3  | 18.9   | 23.9   | 0.0    | 73.3   | 43.0   | 52.7   |
| TOTAL  | 24.5   | 8.3   | 4.4  | 0.0 | 5.8  | 12.8  | 17.7  | 16.2  | 10.6  | 17.2   | 19.9   | 21.7   | 35.2   | 41.9   | 44.9   |
| <b>ALL MASSACHUSETTS<br/>RESIDENT DEATHS</b>       |        |       |      |     |      |       |       |       |       |        |        |        |        |        |        |
| WHITE MALE   | 1037.8 | 247.1 | 22.8 | 0.0 | 31.9 | 112.1 | 186.0 | 184.1 | 320.6 | 564.0  | 979.1  | 1640.5 | 2620.5 | 3913.1 | 5545.7 |
| WHITE FEMALE                                       | 876.2  | 181.1 | 16.2 | 0.0 | 18.9 | 49.3  | 54.7  | 102.0 | 154.0 | 305.4  | 440.3  | 724.8  | 1175.0 | 1859.9 | 2894.2 |
| NON-WHITE MALE                                     | 825.1  | 367.9 | 76.7 | 0.0 | 61.1 | 215.3 | 295.0 | 613.1 | 755.7 | 1069.7 | 1691.9 | 2289.2 | 3397.8 | 3907.1 | 4722.2 |
| NON-WHITE FEMALE                                   | 542.0  | 381.5 | 23.0 | 0.0 | 25.7 | 58.6  | 106.8 | 267.3 | 342.5 | 529.0  | 981.8  | 1232.0 | 1833.5 | 2452.7 | 3004.7 |
| TOTAL  | 944.0  | 224.6 | 21.2 | 0.0 | 26.3 | 82.8  | 121.8 | 155.7 | 245.4 | 440.8  | 725.1  | 1164.0 | 1837.1 | 2731.8 | 3923.3 |

TABLE 8A  
MASSACHUSETTS  
15 SELECTED CAUSES OF DEATH BY CITY/TOWN OF RESIDENCE

|             | HEART DISEASE<br>(390-398, 400,<br>404, 410-429) | MALIGNANT NEO-<br>PLASMS(140-209) | CEREBROVASCULAR<br>DISEASE(430-438, | MOTOR VEHICLE<br>ACCIDENTS<br>(810-823) | OTHER ACCIDENTS<br>(800-807, 825-<br>949) | INFLUENZA AND<br>PNEUMONIA (470-<br>474, 480-486) | PERINATAL MORT.<br>(760-772, 774-<br>778) | DIABETES<br>MELLITUS (250) | ARTERIO-<br>SCLEROSIS<br>(440) | BRONCHITIS, EM-<br>PHYSEMA, ASTHMA<br>(490-493) | CIRRHOSIS OF<br>LIVER (571) | SUICIDE<br>(950-959) | CONGENITAL<br>ANOMALIES<br>(740-759) | HOMICIDE<br>(960-969) | PEPTIC ULCER<br>(531-533) | ALL OTHER<br>CAUSES | TOTAL ALL<br>CAUSES |
|-------------|--|-----------------------------------|-------------------------------------|---|---|---|---|----------------------------|--------------------------------|---|-----------------------------|----------------------|--------------------------------------|-----------------------|---------------------------|---------------------|---------------------|
| ABINGTON    | 38   | 20                                | 11                                  | 1                                       | 2   | 4   | 2   | 3                          | 3                              | 2   | 1                           | 2                    | 1                                    | 0                     | 1                         | 12                  | 103                 |
| ACTION      | 22   | 16                                | 4                                   | 4                                       | 2   | 2   | 1   | 1                          | 0                              | 0   | 1                           | 2                    | 1                                    | 0                     | 0                         | 7                   | 63                  |
| ACUSHNET    | 32   | 18                                | 9                                   | 3                                       | 0   | 0   | 0   | 0                          | 0                              | 0   | 0                           | 2                    | 0                                    | 0                     | 0                         | 3                   | 67                  |
| ADAMS       | 69   | 22                                | 9                                   | 3                                       | 2   | 0   | 1   | 9                          | 2                              | 0   | 1                           | 1                    | 0                                    | 0                     | 0                         | 15                  | 134                 |
| AGAWAM      | 63   | 43                                | 9                                   | 1                                       | 5   | 7   | 2   | 2                          | 1                              | 1   | 2                           | 1                    | 0                                    | 0                     | 0                         | 16                  | 153                 |
| ALFORD      | 0  | 0                                 | 0                                   | 0                                       | 0   | 0   | 0   | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 1                   | 1                   |
| AMESBURY    | 65   | 23                                | 16                                  | 3                                       | 5   | 5   | 0   | 3                          | 7                              | 1   | 2                           | 2                    | 0                                    | 0                     | 1                         | 17                  | 150                 |
| AMHERST     | 46   | 18                                | 11                                  | 1                                       | 0   | 5   | 0   | 3                          | 1                              | 0   | 0                           | 2                    | 1                                    | 0                     | 0                         | 16                  | 104                 |
| ANDOVER     | 62   | 32                                | 14                                  | 0                                       | 2   | 7   | 2   | 6                          | 6                              | 7   | 1                           | 3                    | 1                                    | 0                     | 0                         | 24                  | 167                 |
| ARLINGTON   | 193  | 116                               | 56                                  | 4                                       | 16  | 26  | 2   | 13                         | 2                              | 5   | 4                           | 11                   | 5                                    | 2                     | 4                         | 61                  | 520                 |
| ASHBURNHAM  | 10   | 8                                 | 1                                   | 0                                       | 2   | 1   | 0   | 0                          | 0                              | 2   | 0                           | 0                    | 0                                    | 0                     | 1                         | 3                   | 28                  |
| ASHBY       | 9  | 0                                 | 0                                   | 0                                       | 0   | 1   | 0   | 0                          | 0                              | 0   | 1                           | 0                    | 1                                    | 0                     | 0                         | 1                   | 13                  |
| ASHFIELD    | 17   | 3                                 | 1                                   | 0                                       | 0   | 1   | 0   | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 1                   | 12                  |
| ASHLAND     | 6  | 13                                | 5                                   | 2                                       | 1   | 2   | 2   | 2                          | 0                              | 3   | 1                           | 1                    | 0                                    | 0                     | 0                         | 4                   | 53                  |
| ATHOL       | 48   | 31                                | 14                                  | 1                                       | 10  | 4   | 0   | 3                          | 2                              | 1   | 2                           | 2                    | 1                                    | 0                     | 2                         | 19                  | 140                 |
| ATTLEBORO   | 113  | 64                                | 28                                  | 4                                       | 4   | 15  | 2   | 4                          | 3                              | 2   | 9                           | 2                    | 3                                    | 0                     | 2                         | 33                  | 288                 |
| AUBURN      | 60   | 28                                | 13                                  | 6                                       | 0   | 3   | 1   | 3                          | 2                              | 3   | 3                           | 1                    | 1                                    | 2                     | 0                         | 14                  | 140                 |
| AVON        | 17   | 12                                | 5                                   | 1                                       | 0   | 0   | 3   | 0                          | 0                              | 0   | 0                           | 1                    | 1                                    | 0                     | 0                         | 4                   | 41                  |
| AYER        | 16   | 12                                | 6                                   | 2                                       | 3   | 3   | 3   | 1                          | 0                              | 1   | 4                           | 0                    | 1                                    | 0                     | 0                         | 6                   | 58                  |
| BARNSTABLE  | 116  | 86                                | 31                                  | 5                                       | 4   | 11  | 5   | 2                          | 7                              | 4   | 5                           | 7                    | 1                                    | 0                     | 1                         | 42                  | 327                 |
| BARRE       | 11   | 7                                 | 2                                   | 0                                       | 2   | 3   | 0   | 0                          | 0                              | 0   | 1                           | 1                    | 0                                    | 0                     | 0                         | 5                   | 32                  |
| BECKET      | 3  | 1                                 | 0                                   | 0                                       | 0   | 0   | 0   | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 2                   | 6                   |
| BEDFORD     | 20   | 19                                | 4                                   | 2                                       | 4   | 5   | 1   | 1                          | 2                              | 0   | 1                           | 1                    | 1                                    | 0                     | 0                         | 13                  | 74                  |
| BELCHERTOWN | 22   | 3                                 | 8                                   | 4                                       | 1   | 0   | 0   | 0                          | 0                              | 1   | 1                           | 1                    | 0                                    | 0                     | 0                         | 5                   | 46                  |
| BELLINGHAM  | 19   | 15                                | 4                                   | 6                                       | 5   | 1   | 1   | 1                          | 1                              | 0   | 3                           | 1                    | 2                                    | 0                     | 1                         | 5                   | 65                  |
| BELMONT     | 106  | 55                                | 32                                  | 0                                       | 6   | 14  | 0   | 7                          | 1                              | 1   | 3                           | 4                    | 0                                    | 0                     | 1                         | 44                  | 274                 |
| BERKLEY     | 7  | 4                                 | 2                                   | 3                                       | 0   | 1   | 0   | 0                          | 0                              | 1   | 0                           | 0                    | 0                                    | 0                     | 0                         | 0                   | 18                  |
| BERLIN      | 6  | 4                                 | 4                                   | 0                                       | 1   | 0   | 0   | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 3                   | 18                  |
| BERNARDSTON | 2  | 4                                 | 2                                   | 1                                       | 0   | 1   | 0   | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 4                   | 14                  |
| BEVERLY     | 109  | 88                                | 34                                  | 4                                       | 9   | 15  | 8   | 6                          | 7                              | 2   | 8                           | 1                    | 3                                    | 1                     | 1                         | 36                  | 332                 |
| BILLERICA   | 63   | 35                                | 12                                  | 3                                       | 4   | 5   | 1   | 3                          | 4                              | 1   | 6                           | 2                    | 3                                    | 0                     | 0                         | 16                  | 158                 |
| BLACKSTONE  | 20   | 14                                | 6                                   | 0                                       | 2   | 3   | 0   | 3                          | 2                              | 1   | 2                           | 2                    | 1                                    | 0                     | 0                         | 6                   | 62                  |
| BLANDFORD   | 3  | 2                                 | 0                                   | 0                                       | 1   | 0   | 2   | 1                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 2                   | 11                  |
| BOLTON      | 4  | 3                                 | 2                                   | 0                                       | 0   | 1   | 0   | 1                          | 0                              | 0   | 1                           | 0                    | 0                                    | 0                     | 0                         | 0                   | 12                  |
| BOSTON      | 2601   | 1374                              | 452                                 | 84                                      | 174                                       | 419   | 75  | 125                        | 67                             | 57  | 167                         | 69                   | 29                                   | 108                   | 35                        | 944                 | 5780                |
| BOURNE      | 43   | 28                                | 5                                   | 5                                       | 3   | 4   | 0   | 0                          | 4                              | 2   | 1                           | 1                    | 0                                    | 0                     | 0                         | 11                  | 107                 |
| BOXBOROUGH  | 4  | 1                                 | 1                                   | 0                                       | 1   | 0   | 0   | 0                          | 0                              | 0   | 1                           | 0                    | 0                                    | 0                     | 0                         | 1                   | 9                   |
| BOXFORD     | 4  | 3                                 | 2                                   | 0                                       | 0   | 4   | 0   | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 2                   | 15                  |
| BOYLSTON    | 7  | 1                                 | 3                                   | 0                                       | 0   | 1   | 0   | 0                          | 0                              | 0   | 2                           | 0                    | 1                                    | 0                     | 0                         | 4                   | 19                  |
| BRAINTREE   | 118  | 70                                | 39                                  | 7                                       | 11  | 9   | 1   | 5                          | 3                              | 5   | 2                           | 6                    | 2                                    | 0                     | 1                         | 30                  | 309                 |

|  |     |     |    |    |    |    |    |    |    |    |    |    |   |   |     |     |     |
|--|-----|-----|----|----|----|----|----|----|----|----|----|----|---|---|-----|-----|-----|
| BREWSTER<br>BRIDGEWATER<br>BRIMFIELD<br>BROCKTON<br>BROOKFIELD<br>BROOKLINE<br>BUCKLAND<br>BURLINGTON<br>CAMBRIDGE<br>CANTON   | 13  | 9   | 2  | 0  | 4  | 3  | 1  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0   | 5   | 38  |
|  | 41  | 20  | 8  | 5  | 3  | 1  | 1  | 3  | 2  | 1  | 2  | 1  | 3 | 0 | 0   | 11  | 102 |
|  | 8   | 4   | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 1 | 0   | 4   | 21  |
|  | 369 | 176 | 90 | 18 | 16 | 26 | 16 | 24 | 12 | 15 | 9  | 9  | 7 | 3 | 3   | 103 | 900 |
|  | 5   | 4   | 2  | 2  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0   | 1   | 18  |
|  | 254 | 160 | 57 | 5  | 13 | 35 | 1  | 11 | 7  | 5  | 4  | 10 | 1 | 1 | 3   | 85  | 652 |
|  | 15  | 6   | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0   | 3   | 27  |
|  | 34  | 21  | 9  | 2  | 5  | 6  | 2  | 0  | 2  | 1  | 3  | 1  | 2 | 0 | 0   | 12  | 100 |
|  | 284 | 194 | 73 | 11 | 20 | 59 | 2  | 26 | 10 | 16 | 10 | 2  | 8 | 5 | 112 | 838 | 116 |
|  | 41  | 33  | 7  | 2  | 3  | 5  | 2  | 1  | 3  | 0  | 0  | 3  | 0 | 0 | 16  |     |     |
| CARLISLE<br>CARVER<br>CHARLEMONT<br>CHARLTON<br>CNATHAM<br>CHELMSFORD<br>CHELSEA<br>CHESHIRE<br>CHESTER<br>CHESTERSFIELD       | 6   | 6   | 2  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0   | 2   | 18  |
|  | 11  | 5   | 3  | 1  | 0  | 2  | 1  | 1  | 0  | 0  | 0  | 0  | 0 | 1 | 0   | 3   | 28  |
|  | 8   | 1   | 2  | 0  | 0  | 1  | 0  | 0  | 0  | 1  | 0  | 0  | 0 | 0 | 0   | 3   | 16  |
|  | 22  | 14  | 5  | 1  | 3  | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 0 | 0 | 0   | 3   | 52  |
|  | 36  | 18  | 8  | 2  | 2  | 6  | 0  | 0  | 6  | 4  | 4  | 0  | 0 | 1 | 7   | 94  | 211 |
|  | 85  | 46  | 19 | 3  | 6  | 1  | 6  | 2  | 7  | 2  | 3  | 1  | 1 | 0 | 0   | 29  |     |
|  | 134 | 73  | 25 | 2  | 4  | 11 | 3  | 8  | 1  | 4  | 6  | 3  | 3 | 1 | 40  | 321 | 28  |
|  | 12  | 11  | 1  | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 0 | 0 | 2   | 0   |     |
|  | 4   | 4   | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 2  | 0  | 0  | 0 | 0 | 1   | 13  | 13  |
|  | 1   | 3   | 3  | 0  | 0  | 0  | 0  | 0  | 2  | 0  | 0  | 0  | 0 | 0 | 4   |     |     |
| CHICOPEE<br>CHILMARK<br>CLARKSBURG<br>CLINTON<br>CONASSET<br>COLRAIN<br>CONCORD<br>CONWAY<br>CUMMINGTON<br>DALTON              | 203 | 104 | 56 | 4  | 6  | 15 | 4  | 6  | 4  | 5  | 21 | 5  | 1 | 1 | 2   | 42  | 479 |
|  | 1   | 3   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0   | 0   | 4   |
|  | 3   | 1   | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 0 | 1 | 0   | 2   | 12  |
|  | 58  | 25  | 15 | 3  | 3  | 7  | 2  | 3  | 5  | 2  | 4  | 0  | 1 | 0 | 2   | 20  | 150 |
|  | 24  | 13  | 9  | 4  | 3  | 1  | 0  | 3  | 2  | 0  | 1  | 0  | 0 | 0 | 0   | 5   | 65  |
|  | 9   | 2   | 2  | 0  | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 0 | 0 | 0   | 3   | 16  |
|  | 36  | 28  | 17 | 3  | 2  | 9  | 1  | 0  | 0  | 2  | 5  | 2  | 1 | 0 | 0   | 13  | 119 |
|  | 3   | 3   | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 1   | 9   | 7   |
|  | 4   | 0   | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 1   |     |     |
|  | 14  | 13  | 4  | 0  | 1  | 4  | 1  | 0  | 0  | 2  | 1  | 2  | 1 | 0 | 1   | 5   | 49  |
| 81   | 43  | 27  | 4  | 5  | 2  | 1  | 2  | 1  | 4  | 7  | 1  | 2  | 0 | 0 | 28  |     |     |
| DARTMOUTH<br>DEDHAM<br>DEERFIELD<br>DENNIS<br>DIGHTON<br>DOUGLAS<br>DOVER<br>DRACUT<br>DUDLEY                                  | 67  | 39  | 19 | 5  | 3  | 2  | 3  | 5  | 2  | 0  | 2  | 3  | 2 | 1 | 0   | 13  | 166 |
|  | 71  | 68  | 17 | 9  | 7  | 15 | 2  | 3  | 1  | 1  | 3  | 0  | 0 | 0 | 0   | 21  | 218 |
|  | 12  | 8   | 6  | 0  | 2  | 2  | 0  | 1  | 0  | 2  | 0  | 0  | 0 | 0 | 2   | 35  | 145 |
|  | 44  | 36  | 16 | 3  | 5  | 4  | 2  | 3  | 3  | 0  | 2  | 3  | 0 | 0 | 1   | 23  |     |
|  | 11  | 9   | 5  | 0  | 2  | 0  | 0  | 1  | 0  | 0  | 1  | 0  | 0 | 0 | 0   | 2   | 31  |
|  | 17  | 4   | 1  | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 0 | 0 | 2   | 27  | 34  |
|  | 16  | 6   | 1  | 0  | 2  | 2  | 0  | 1  | 1  | 0  | 1  | 0  | 1 | 0 | 3   |     |     |
|  | 67  | 35  | 11 | 3  | 4  | 4  | 2  | 3  | 2  | 1  | 6  | 2  | 1 | 0 | 3   | 22  | 166 |
|  | 29  | 25  | 8  | 1  | 3  | 2  | 0  | 2  | 1  | 1  | 0  | 0  | 0 | 0 | 2   | 74  | 6   |
|  | 0   | 1   | 2  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0   | 2   |     |
| DUNSTABLE<br>DUXBURY<br>EAST BRIDGEWATER<br>EAST BROOKFIELD<br>EAST LONGMEADOW<br>EASTHAM<br>EASTHAMPTON<br>EASTON<br>EDGEMONT | 38  | 14  | 6  | 1  | 3  | 2  | 0  | 2  | 0  | 0  | 0  | 0  | 0 | 0 | 0   | 8   | 78  |
|  | 29  | 16  | 6  | 3  | 2  | 1  | 1  | 0  | 0  | 1  | 2  | 1  | 1 | 0 | 0   | 0   | 63  |
|  | 6   | 2   | 1  | 0  | 0  | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 1   | 13  | 90  |
|  | 33  | 26  | 7  | 0  | 2  | 2  | 0  | 2  | 2  | 0  | 1  | 2  | 1 | 0 | 0   | 11  |     |
|  | 12  | 7   | 6  | 3  | 0  | 2  | 0  | 1  | 1  | 0  | 2  | 1  | 0 | 0 | 0   | 2   | 37  |
|  | 55  | 34  | 14 | 1  | 7  | 1  | 1  | 3  | 4  | 1  | 1  | 1  | 0 | 0 | 0   | 14  | 140 |
|  | 31  | 17  | 12 | 3  | 1  | 6  | 0  | 0  | 0  | 0  | 3  | 0  | 0 | 1 | 7   | 81  | 20  |
|  | 7   | 7   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 2  | 0  | 0 | 0 | 0   | 3   |     |
|  | 4   | 3   | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 0 | 0 | 0   | 0   | 10  |

|        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |
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| ERVING | 2 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0</ |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|

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|--------------|-----|-----|-----|----|----|----|----|----|----|----|----|----|---|---|---|----|-----|------|-----|
| HINGHAM      | 56  | 23  | 20  | 3  | 5  | 5  | 2  | 3  | 1  | 4  | 0  | 0  | 3 | 0 | 1 | 0  | 0   | 15   | 141 |
| HINSDALE     | 11  | 4   | 0   | 0  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 1 | 0  | 0   | 2    | 21  |
| HOLBROOK     | 36  | 22  | 12  | 4  | 3  | 3  | 0  | 1  | 1  | 0  | 3  | 3  | 3 | 3 | 0 | 0  | 0   | 11   | 99  |
| HOLDEN       | 48  | 18  | 17  | 1  | 1  | 1  | 1  | 1  | 2  | 1  | 1  | 3  | 3 | 2 | 1 | 0  | 0   | 15   | 113 |
| HOLLAND      | 5   | 1   | 1   | 2  | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0  | 0   | 2    | 12  |
| HOLLISTON    | 13  | 15  | 4   | 2  | 7  | 0  | 0  | 1  | 0  | 0  | 1  | 1  | 1 | 2 | 0 | 1  | 4   | 51   |     |
| HOLYOKE      | 246 | 124 | 75  | 7  | 22 | 14 | 4  | 10 | 11 | 9  | 16 | 4  | 4 | 3 | 1 | 2  | 65  | 613  |     |
| HOPEDALE     | 23  | 3   | 3   | 0  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0  | 4   | 36   |     |
| HOPKINTON    | 24  | 11  | 2   | 2  | 0  | 2  | 0  | 0  | 0  | 0  | 1  | 0  | 0 | 0 | 0 | 0  | 4   | 46   |     |
| HUBBARDSTON  | 7   | 5   | 0   | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 1  | 0  | 0 | 1 | 0 | 0  | 2   | 17   |     |
| HUDSON       | 40  | 25  | 12  | 5  | 0  | 5  | 0  | 0  | 1  | 0  | 0  | 0  | 1 | 0 | 0 | 0  | 18  | 109  |     |
| HULL         | 39  | 13  | 9   | 2  | 2  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 0 | 0 | 1 | 0  | 6   | 75   |     |
| HUNTINGTON   | 6   | 3   | 0   | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 0 | 0 | 0 | 0  | 1   | 11   |     |
| IPSWICH      | 25  | 20  | 10  | 2  | 1  | 3  | 2  | 4  | 1  | 1  | 2  | 0  | 0 | 0 | 0 | 0  | 10  | 81   |     |
| KINGSTON     | 25  | 8   | 3   | 4  | 2  | 2  | 1  | 1  | 0  | 0  | 0  | 0  | 0 | 1 | 0 | 0  | 7   | 54   |     |
| LAKEVILLE    | 12  | 13  | 8   | 2  | 0  | 3  | 0  | 1  | 0  | 1  | 1  | 0  | 1 | 0 | 0 | 0  | 1   | 43   |     |
| LANCASTER    | 16  | 5   | 8   | 4  | 1  | 1  | 1  | 1  | 2  | 1  | 0  | 1  | 0 | 0 | 0 | 0  | 6   | 47   |     |
| LANESBOROUGH | 8   | 7   | 4   | 1  | 1  | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0  | 2   | 25   |     |
| LAWRENCE     | 316 | 176 | 101 | 8  | 20 | 33 | 13 | 19 | 18 | 7  | 15 | 4  | 6 | 1 | 2 | 91 | 830 |      |     |
| LEE          | 21  | 16  | 3   | 0  | 1  | 1  | 0  | 3  | 0  | 0  | 0  | 1  | 1 | 0 | 1 | 0  | 10  | 57   |     |
| LEICESTER    | 27  | 17  | 6   | 4  | 1  | 1  | 0  | 0  | 0  | 0  | 1  | 3  | 0 | 0 | 0 | 0  | 5   | 65   |     |
| LENOX        | 16  | 5   | 10  | 1  | 4  | 0  | 1  | 0  | 1  | 0  | 1  | 1  | 0 | 0 | 0 | 1  | 7   | 48   |     |
| LEOMINSTER   | 112 | 62  | 20  | 5  | 7  | 8  | 7  | 6  | 6  | 2  | 6  | 2  | 2 | 3 | 1 | 1  | 32  | 280  |     |
| LEVERETT     | 3   | 1   | 1   | 0  | 0  | 0  | 0  | 1  | 0  | 1  | 1  | 0  | 0 | 0 | 0 | 0  | 1   | 9    |     |
| LEXINGTON    | 71  | 45  | 18  | 4  | 10 | 11 | 1  | 3  | 2  | 1  | 2  | 5  | 5 | 0 | 0 | 0  | 25  | 198  |     |
| LEYDEN       | 1   | 1   | 0   | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 1  | 0 | 0 | 0 | 0  | 0   | 4    |     |
| LINCOLN      | 20  | 5   | 5   | 3  | 0  | 2  | 0  | 2  | 1  | 0  | 1  | 1  | 1 | 0 | 0 | 0  | 3   | 43   |     |
| LITTLETON    | 16  | 12  | 5   | 1  | 3  | 2  | 0  | 0  | 0  | 0  | 1  | 0  | 0 | 0 | 0 | 0  | 0   | 40   |     |
| LONGMEADOW   | 38  | 27  | 16  | 1  | 2  | 3  | 0  | 0  | 2  | 0  | 0  | 0  | 0 | 1 | 0 | 1  | 12  | 103  |     |
| LOWELL       | 484 | 196 | 100 | 10 | 37 | 36 | 8  | 19 | 29 | 6  | 28 | 10 | 6 | 6 | 3 | 2  | 102 | 1076 |     |
| LUDLOW       | 50  | 28  | 11  | 1  | 4  | 7  | 2  | 2  | 2  | 2  | 2  | 2  | 2 | 0 | 0 | 1  | 8   | 122  |     |
| LUNENBURG    | 16  | 19  | 7   | 2  | 1  | 1  | 0  | 0  | 0  | 0  | 2  | 1  | 1 | 0 | 0 | 0  | 5   | 54   |     |
| LYNN         | 428 | 252 | 110 | 13 | 37 | 32 | 8  | 14 | 10 | 11 | 24 | 14 | 2 | 2 | 3 | 2  | 124 | 1084 |     |
| LYNNFIELD    | 26  | 23  | 5   | 3  | 3  | 2  | 0  | 0  | 1  | 1  | 4  | 0  | 0 | 1 | 0 | 0  | 7   | 76   |     |
| MALDEN       | 252 | 139 | 64  | 3  | 18 | 28 | 5  | 7  | 11 | 6  | 10 | 8  | 1 | 1 | 1 | 8  | 62  | 623  |     |
| MANCHESTER   | 20  | 18  | 4   | 1  | 0  | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0  | 4   | 50   |     |
| MANSFIELD    | 47  | 14  | 13  | 1  | 2  | 4  | 0  | 2  | 1  | 1  | 4  | 2  | 0 | 0 | 0 | 0  | 10  | 101  |     |
| MARBLEHEAD   | 60  | 43  | 19  | 1  | 11 | 8  | 0  | 8  | 1  | 5  | 5  | 2  | 2 | 0 | 0 | 0  | 19  | 182  |     |
| MARION       | 14  | 7   | 6   | 0  | 0  | 3  | 0  | 0  | 1  | 0  | 0  | 1  | 0 | 0 | 0 | 0  | 3   | 35   |     |
| MARLBOROUGH  | 97  | 45  | 15  | 4  | 6  | 6  | 2  | 3  | 0  | 3  | 3  | 0  | 4 | 1 | 2 | 27 | 218 |      |     |
| MARSHFIELD   | 45  | 27  | 10  | 5  | 5  | 9  | 1  | 3  | 0  | 1  | 1  | 3  | 2 | 0 | 0 | 0  | 18  | 130  |     |
| MASHPEE      | 7   | 4   | 3   | 1  | 0  | 2  | 0  | 2  | 1  | 0  | 2  | 0  | 0 | 0 | 0 | 0  | 3   | 25   |     |
| MATTAPOISETT | 17  | 6   | 5   | 2  | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 0  | 2 | 0 | 0 | 0  | 6   | 42   |     |
| MAYNARD      | 40  | 20  | 10  | 1  | 1  | 4  | 0  | 1  | 3  | 0  | 1  | 1  | 0 | 1 | 0 | 0  | 13  | 96   |     |
| MEDFIELD     | 34  | 8   | 3   | 4  | 1  | 7  | 0  | 0  | 1  | 0  | 1  | 1  | 1 | 0 | 1 | 0  | 7   | 68   |     |
| MEDFORD      | 274 | 139 | 59  | 5  | 17 | 25 | 6  | 13 | 12 | 7  | 12 | 1  | 1 | 1 | 4 | 2  | 64  | 641  |     |
| MEDWAY       | 17  | 10  | 9   | 1  | 0  | 1  | 0  | 1  | 1  | 0  | 1  | 0  | 1 | 0 | 0 | 0  | 3   | 45   |     |
| MELROSE      | 109 | 67  | 32  | 5  | 10 | 9  | 5  | 4  | 3  | 6  | 3  | 3  | 1 | 0 | 0 | 2  | 41  | 300  |     |
| MENUDON      | 5   | 3   | 1   | 1  | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 1  | 0 | 0 | 0 | 0  | 2   | 15   |     |
| MERRIMAC     | 13  | 13  | 6   | 2  | 0  | 2  | 1  | 1  | 1  | 1  | 0  | 1  | 1 | 0 | 0 | 0  | 3   | 44   |     |

TABLE 8A  
15 SELECTED CAUSES OF DEATH BY CITY/TOWN OF RESIDENCE

|                  | HEART DISEASE<br>(390-398,402,<br>404,410-429) | MALIGNANT NEO-<br>PLASMS(140-209) | CEREBROVASCULAR<br>DISEASE(430-438) | MOTOR VEHICLE<br>ACCIDENTS<br>(810-823) | OTHER ACCIDENTS<br>(800-807,825-<br>949) | INFLUENZA AND<br>PNEUMONIA (470-<br>474,480-486) | PERINATAL MORT.<br>(760-772,774-<br>778) | DIABETES<br>MELLITUS (250) | ARTERIO-<br>SCLEROSIS<br>(440) | BRONCHITIS, EM-<br>PHYSEMA, ASTHMA<br>(490-493) | CIRRHOSIS OF<br>LIVER (571) | SUICIDE<br>(950-959) | CONGENITAL<br>ANOMALIES<br>(740-759) | HOMICIDE<br>(960-969) | PEPTIC ULCER<br>(531-533) | ALL OTHER<br>CAUSES | TOTAL ALL<br>CAUSES |
|------------------|--|-----------------------------------|-------------------------------------|---|--|--|--|----------------------------|--------------------------------|---|-----------------------------|----------------------|--------------------------------------|-----------------------|---------------------------|---------------------|---------------------|
| METHUEN          | 158  | 78                                | 28                                  | 4                                       | 5  | 14   | 9  | 8                          | 11                             | 4   | 3                           | 3                    | 1                                    | 1                     | 3                         | 33                  | 363                 |
| MIDDLEBOROUGH    | 65   | 37                                | 22                                  | 9                                       | 5  | 3  | 2  | 2                          | 1                              | 1   | 3                           | 1                    | 0                                    | 1                     | 0                         | 10                  | 162                 |
| MIDDLEFIELD      | 0  | 4                                 | 0                                   | 0                                       | 0  | 0  | 0  | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 0                   | 0                   |
| MIDDLETON        | 11   | 4                                 | 2                                   | 1                                       | 3  | 2  | 0  | 1                          | 0                              | 0   | 0                           | 1                    | 0                                    | 0                     | 0                         | 3                   | 28                  |
| MILFORD          | 82   | 30                                | 19                                  | 2                                       | 3  | 9  | 1  | 1                          | 1                              | 2   | 2                           | 0                    | 3                                    | 0                     | 0                         | 17                  | 172                 |
| MILLBURY         | 47   | 28                                | 6                                   | 2                                       | 3  | 3  | 0  | 5                          | 0                              | 0   | 1                           | 0                    | 2                                    | 1                     | 1                         | 17                  | 116                 |
| MILLIS           | 13   | 9                                 | 3                                   | 4                                       | 0  | 1  | 0  | 0                          | 0                              | 1   | 0                           | 0                    | 0                                    | 0                     | 0                         | 11                  | 42                  |
| MILLVILLE        | 8  | 1                                 | 2                                   | 2                                       | 2  | 1  | 0  | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 2                   | 18                  |
| MILTON           | 99   | 69                                | 37                                  | 1                                       | 9  | 6  | 1  | 5                          | 3                              | 1   | 7                           | 1                    | 0                                    | 1                     | 1                         | 23                  | 264                 |
| MONROE           | 0  | 1                                 | 0                                   | 0                                       | 0  | 0  | 0  | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 2                   | 3                   |
| MONSON           | 21   | 13                                | 7                                   | 1                                       | 1  | 0  | 0  | 0                          | 2                              | 2   | 1                           | 0                    | 1                                    | 0                     | 0                         | 3                   | 52                  |
| MONTAGUE         | 31   | 17                                | 10                                  | 2                                       | 1  | 5  | 1  | 0                          | 2                              | 2   | 0                           | 1                    | 2                                    | 0                     | 0                         | 10                  | 84                  |
| MONTGOMERY       | 2  | 1                                 | 2                                   | 0                                       | 0  | 0  | 0  | 0                          | 0                              | 0   | 0                           | 1                    | 0                                    | 0                     | 0                         | 2                   | 8                   |
| MONTGOMERY       | 3  | 0                                 | 1                                   | 1                                       | 0  | 0  | 0  | 0                          | 0                              | 0   | 0                           | 1                    | 0                                    | 0                     | 0                         | 1                   | 7                   |
| MOUNT WASHINGTON | 0  | 0                                 | 0                                   | 0                                       | 0  | 0  | 0  | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 0                   | 0                   |
| NAHANT           | 16   | 12                                | 5                                   | 0                                       | 1  | 2  | 1  | 0                          | 2                              | 0   | 0                           | 1                    | 0                                    | 0                     | 0                         | 6                   | 46                  |
| NANTUCKET        | 24   | 12                                | 9                                   | 1                                       | 1  | 0  | 0  | 2                          | 0                              | 1   | 2                           | 0                    | 0                                    | 0                     | 0                         | 2                   | 54                  |
| NATICK           | 62   | 73                                | 18                                  | 6                                       | 4  | 13   | 6  | 4                          | 2                              | 4   | 4                           | 4                    | 2                                    | 1                     | 0                         | 25                  | 228                 |
| NEEDHAM          | 84   | 48                                | 22                                  | 0                                       | 7  | 7  | 5  | 5                          | 2                              | 4   | 3                           | 4                    | 0                                    | 2                     | 1                         | 31                  | 225                 |
| NEW ASHFORD      | 0  | 0                                 | 0                                   | 0                                       | 0  | 0  | 0  | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 1                         | 0                   | 1                   |
| NEW BEDFORD      | 483  | 254                               | 137                                 | 14                                      | 24                                       | 26   | 13                                       | 35                         | 12                             | 11  | 18                          | 6                    | 7                                    | 2                     | 3                         | 113                 | 1158                |
| NEW BRAINTREE    | 2  | 1                                 | 0                                   | 0                                       | 0  | 0  | 0  | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 0                   | 3                   |
| NEW MARLBOROUGH  | 5  | 5                                 | 0                                   | 0                                       | 0  | 1  | 0  | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 1                   | 12                  |
| NEW SALEM        | 2  | 2                                 | 1                                   | 0                                       | 0  | 1  | 0  | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 0                   | 6                   |
| NEWBURY          | 8  | 11                                | 4                                   | 0                                       | 2  | 1  | 0  | 1                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 3                   | 30                  |
| NEWBURYPORT      | 72   | 39                                | 23                                  | 3                                       | 5  | 3  | 0  | 2                          | 5                              | 5   | 3                           | 1                    | 1                                    | 0                     | 1                         | 15                  | 178                 |
| NEWTON           | 323  | 166                               | 77                                  | 5                                       | 18                                       | 34   | 2  | 13                         | 7                              | 8   | 13                          | 12                   | 5                                    | 2                     | 4                         | 95                  | 784                 |
| NORFOLK          | 9  | 2                                 | 2                                   | 0                                       | 0  | 0  | 1  | 1                          | 0                              | 1   | 1                           | 0                    | 0                                    | 0                     | 0                         | 3                   | 20                  |
| NORTH ADAMS      | 99   | 38                                | 19                                  | 3                                       | 3  | 2  | 1  | 7                          | 5                              | 1   | 6                           | 3                    | 1                                    | 1                     | 0                         | 27                  | 216                 |
| NORTH ANDOVER    | 57   | 28                                | 10                                  | 4                                       | 4  | 7  | 1  | 1                          | 3                              | 1   | 3                           | 0                    | 0                                    | 0                     | 0                         | 16                  | 135                 |
| NORTH ATTLEBORO  | 64   | 32                                | 18                                  | 3                                       | 6  | 10   | 2  | 6                          | 0                              | 1   | 4                           | 4                    | 0                                    | 0                     | 0                         | 9                   | 159                 |
| NORTH BROOKFIELD | 5  | 6                                 | 4                                   | 2                                       | 1  | 2  | 0  | 0                          | 0                              | 1   | 2                           | 1                    | 1                                    | 0                     | 0                         | 3                   | 28                  |
| NORTH READING    | 22   | 11                                | 11                                  | 4                                       | 1  | 2  | 2  | 2                          | 0                              | 0   | 1                           | 0                    | 1                                    | 1                     | 0                         | 8                   | 66                  |
| NORTHAMPTON      | 99   | 69                                | 26                                  | 4                                       | 4  | 17   | 1  | 9                          | 2                              | 1   | 9                           | 2                    | 0                                    | 0                     | 2                         | 43                  | 288                 |
| NORTHBOROUGH     | 22   | 18                                | 9                                   | 4                                       | 1  | 2  | 0  | 0                          | 0                              | 0   | 1                           | 1                    | 0                                    | 0                     | 0                         | 7                   | 65                  |
| NORTHBRIDGE      | 51   | 11                                | 6                                   | 2                                       | 3  | 5  | 0  | 3                          | 4                              | 0   | 1                           | 0                    | 3                                    | 0                     | 0                         | 12                  | 101                 |
| NORTHFIELD       | 8  | 6                                 | 1                                   | 1                                       | 0  | 1  | 0  | 1                          | 1                              | 0   | 1                           | 0                    | 0                                    | 0                     | 0                         | 3                   | 23                  |
| NORTON           | 25   | 16                                | 3                                   | 3                                       | 0  | 6  | 0  | 1                          | 5                              | 0   | 1                           | 1                    | 0                                    | 0                     | 0                         | 9                   | 70                  |
| NORWELL          | 20   | 15                                | 6                                   | 1                                       | 0  | 3  | 0  | 1                          | 0                              | 0   | 0                           | 0                    | 2                                    | 1                     | 1                         | 5                   | 55                  |
| NORWOOD          | 93   | 63                                | 34                                  | 5                                       | 9  | 12   | 6  | 3                          | 4                              | 5   | 6                           | 2                    | 1                                    | 5                     | 2                         | 46                  | 296                 |



TABLE 8A  
15 SELECTED CAUSES OF DEATH BY CITY/TOWN OF RESIDENCE

|              | HEART DISEASE<br>(390-398, 402,<br>404, 410-429) | MALIGNANT NEO-<br>PLASMS (140-209) | CEREBROVASCULAR<br>DISEASE (430-438) | NOTOR VEHICLE<br>ACCIDENTS<br>(810-823) | OTHER ACCIDENTS<br>(800-807, 825-<br>949) | INFLUENZA AND<br>PNEUMONIA (470-<br>474, 480-486) | PERINATAL MORT.<br>(760-772, 774-<br>778) | DIABETES<br>MELLITUS (250) | ARTERIO-<br>SCLEROSIS<br>(440) | BRONCHITIS, EM-<br>PHYSEMA, ASTHMA<br>(490-493) | CIRRHOSIS OF<br>LIVER (571) | SUICIDE<br>(950-959) | CONGENITAL<br>ANOMALIES<br>(740-759) | HOMICIDE<br>(960-969) | PEPTIC ULCER<br>(531-533) | ALL OTHER<br>CAUSES | TOTAL ALL<br>CAUSES |
|--------------|--|------------------------------------|--------------------------------------|---|---|---|---|----------------------------|--------------------------------|---|-----------------------------|----------------------|--------------------------------------|-----------------------|---------------------------|---------------------|---------------------|
| SHREWSBURY   | 60   | 27                                 | 19                                   | 7                                       | 2   | 7   | 1   | 3                          | 2                              | 1   | 1                           | 2                    | 0                                    | 1                     | 2                         | 18                  | 153                 |
| SHUTESBURY   | 1  | 1                                  | 1                                    | 0                                       | 1   | 0   | 0   | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 0                   | 4                   |
| SOMERSET     | 54   | 33                                 | 15                                   | 3                                       | 3   | 2   | 1   | 5                          | 1                              | 3   | 3                           | 0                    | 0                                    | 0                     | 1                         | 10                  | 134                 |
| SOMERVILLE   | 346  | 193                                | 75                                   | 11                                      | 21  | 40  | 11  | 19                         | 5                              | 14  | 25                          | 5                    | 3                                    | 1                     | 5                         | 99                  | 873                 |
| SOUTH HADLEY | 57   | 23                                 | 12                                   | 1                                       | 4   | 6   | 0   | 4                          | 6                              | 0   | 1                           | 0                    | 1                                    | 0                     | 1                         | 7                   | 123                 |
| SOUTHAMPTON  | 7  | 6                                  | 2                                    | 0                                       | 1   | 0   | 1   | 0                          | 0                              | 1   | 0                           | 1                    | 1                                    | 0                     | 0                         | 0                   | 19                  |
| SOUTHBOROUGH | 19   | 14                                 | 4                                    | 0                                       | 0   | 0   | 0   | 0                          | 1                              | 1   | 0                           | 0                    | 2                                    | 0                     | 0                         | 4                   | 47                  |
| SOUTHBURIDGE | 78   | 33                                 | 13                                   | 7                                       | 5   | 5   | 1   | 6                          | 0                              | 3   | 2                           | 0                    | 0                                    | 0                     | 1                         | 11                  | 165                 |
| SOUTHWICK    | 17   | 8                                  | 1                                    | 1                                       | 2   | 0   | 0   | 0                          | 1                              | 0   | 0                           | 1                    | 0                                    | 0                     | 0                         | 3                   | 34                  |
| SPENCER      | 50   | 17                                 | 13                                   | 1                                       | 1   | 2   | 0   | 1                          | 1                              | 1   | 4                           | 1                    | 1                                    | 0                     | 0                         | 6                   | 99                  |
| SPRINGFIELD  | 623  | 335                                | 211                                  | 18                                      | 63  | 57  | 22  | 56                         | 31                             | 18  | 33                          | 13                   | 5                                    | 4                     | 4                         | 194                 | 1687                |
| STERLING     | 8  | 5                                  | 1                                    | 2                                       | 0   | 0   | 0   | 0                          | 0                              | 1   | 2                           | 1                    | 0                                    | 0                     | 0                         | 5                   | 25                  |
| STOCKBRIDGE  | 9  | 1                                  | 1                                    | 0                                       | 1   | 1   | 0   | 0                          | 1                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 3                   | 17                  |
| STONEHAM     | 81   | 47                                 | 17                                   | 3                                       | 4   | 4   | 3   | 3                          | 3                              | 0   | 0                           | 2                    | 1                                    | 0                     | 2                         | 18                  | 188                 |
| STOUGHTON    | 76   | 48                                 | 14                                   | 2                                       | 5   | 4   | 2   | 1                          | 1                              | 1   | 4                           | 3                    | 1                                    | 0                     | 0                         | 25                  | 187                 |
| STOW         | 9  | 3                                  | 5                                    | 0                                       | 1   | 2   | 0   | 2                          | 1                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 6                   | 29                  |
| STURBRIDGE   | 18   | 5                                  | 6                                    | 0                                       | 0   | 3   | 0   | 0                          | 1                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 5                   | 38                  |
| SUDBURY      | 25   | 13                                 | 4                                    | 4                                       | 1   | 2   | 0   | 0                          | 0                              | 1   | 1                           | 1                    | 1                                    | 0                     | 0                         | 7                   | 60                  |
| SUNDERLAND   | 2  | 3                                  | 0                                    | 1                                       | 0   | 1   | 0   | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 1                     | 0                         | 0                   | 8                   |
| SUTTON       | 17   | 5                                  | 5                                    | 1                                       | 1   | 0   | 0   | 0                          | 0                              | 0   | 1                           | 0                    | 1                                    | 0                     | 0                         | 3                   | 34                  |
| SWAMPSCOTT   | 75   | 27                                 | 11                                   | 0                                       | 3   | 5   | 1   | 1                          | 2                              | 0   | 3                           | 1                    | 0                                    | 0                     | 1                         | 16                  | 146                 |
| SWANSEA      | 56   | 27                                 | 11                                   | 5                                       | 3   | 1   | 2   | 1                          | 3                              | 1   | 3                           | 1                    | 1                                    | 0                     | 2                         | 10                  | 127                 |
| TAUNTON      | 168  | 102                                | 54                                   | 12                                      | 11  | 12  | 8   | 15                         | 7                              | 15  | 9                           | 3                    | 4                                    | 3                     | 1                         | 32                  | 456                 |
| TEMPLETON    | 9  | 13                                 | 4                                    | 2                                       | 3   | 2   | 0   | 0                          | 1                              | 2   | 1                           | 0                    | 0                                    | 0                     | 0                         | 7                   | 44                  |
| TEWKSBURY    | 47   | 22                                 | 6                                    | 5                                       | 2   | 4   | 3   | 1                          | 4                              | 2   | 2                           | 0                    | 2                                    | 4                     | 1                         | 13                  | 118                 |
| TISBURY      | 16   | 3                                  | 4                                    | 1                                       | 1   | 1   | 1   | 1                          | 2                              | 0   | 1                           | 0                    | 0                                    | 0                     | 0                         | 3                   | 34                  |
| TOLLAND      | 0  | 1                                  | 0                                    | 0                                       | 0   | 0   | 0   | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 0                   | 1                   |
| TOPSFIELD    | 9  | 6                                  | 4                                    | 2                                       | 0   | 2   | 0   | 0                          | 0                              | 0   | 0                           | 2                    | 0                                    | 0                     | 0                         | 2                   | 27                  |
| TOWNSEND     | 18   | 7                                  | 3                                    | 1                                       | 0   | 1   | 0   | 1                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 1                   | 32                  |
| TRURO        | 3  | 2                                  | 1                                    | 0                                       | 1   | 1   | 0   | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 1                   | 9                   |
| TYNGSBOROUGH | 12   | 6                                  | 2                                    | 0                                       | 1   | 1   | 1   | 1                          | 1                              | 0   | 1                           | 0                    | 1                                    | 0                     | 0                         | 4                   | 31                  |
| TRYINGHAM    | 1  | 0                                  | 2                                    | 0                                       | 0   | 0   | 0   | 0                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 0                         | 0                   | 3                   |
| UPTON        | 17   | 8                                  | 2                                    | 0                                       | 3   | 3   | 0   | 1                          | 0                              | 0   | 0                           | 0                    | 0                                    | 0                     | 1                         | 4                   | 39                  |
| UXBRIDGE     | 36   | 15                                 | 6                                    | 0                                       | 1   | 3   | 0   | 2                          | 5                              | 2   | 2                           | 1                    | 0                                    | 0                     | 1                         | 6                   | 80                  |
| WAKEFIELD    | 83   | 59                                 | 34                                   | 6                                       | 3   | 13  | 1   | 3                          | 2                              | 3   | 3                           | 6                    | 2                                    | 1                     | 0                         | 22                  | 241                 |
| WALES        | 3  | 0                                  | 1                                    | 2                                       | 2   | 2   | 0   | 0                          | 0                              | 0   | 1                           | 0                    | 0                                    | 0                     | 0                         | 2                   | 13                  |
| WALPOLE      | 41   | 34                                 | 6                                    | 4                                       | 2   | 6   | 0   | 0                          | 0                              | 0   | 0                           | 2                    | 0                                    | 1                     | 1                         | 15                  | 112                 |
| WALTHAM      | 208  | 106                                | 50                                   | 5                                       | 10  | 24  | 6   | 12                         | 8                              | 6   | 8                           | 5                    | 2                                    | 1                     | 1                         | 56                  | 508                 |
| WARE         | 39   | 17                                 | 5                                    | 1                                       | 1   | 6   | 1   | 2                          | 0                              | 2   | 3                           | 2                    | 1                                    | 0                     | 1                         | 10                  | 91                  |
| WAREHAM      | 64   | 24                                 | 16                                   | 3                                       | 2   | 5   | 0   | 3                          | 0                              | 5   | 4                           | 2                    | 0                                    | 0                     | 0                         | 15                  | 143                 |





TABLE 8B  
MASSACHUSETTS  
15 SELECTED CAUSES OF DEATH BY COUNTY OF RESIDENCE

|             | HEART DISEASE<br>(390-393, 400,<br>404, 410-429) | MALIGNANT NEO-<br>PLASMS (140-209) | CEREBROVASCULAR<br>DISEASE (430-438) | MOTOR VEHICLE<br>ACCIDENTS<br>(810-823) | OTHER ACCIDENTS<br>(800-807, 825-<br>949) | INFLUENZA AND<br>PNEUMONIA (470-<br>474, 480-486) | PERINATAL MORT.<br>(760-772, 774-<br>778) | DIABETES<br>MELLITUS (250) | ARTERIO-<br>SCLEROSIS<br>(440) | BRONCHITIS, EM-<br>PHYSEMA, ASTHMA<br>(490-493) | CIRRHOSIS OF<br>LIVER (571) | SUICIDE<br>(950-959) | CONGENITAL<br>ANOMALIES<br>(740-759) | HOMICIDE<br>(960-969) | PEPTIC ULCER<br>(531-533) | ALL OTHER<br>CAUSES | TOTAL ALL<br>CAUSES |
|-------------|--|------------------------------------|--------------------------------------|---|---|---|---|----------------------------|--------------------------------|---|-----------------------------|----------------------|--------------------------------------|-----------------------|---------------------------|---------------------|---------------------|
| BARNSTABLE  | 541  | 375                                | 131                                  | 30                                      | 32  | 75  | 13  | 18                         | 41                             | 18  | 29                          | 29                   | 4                                    | 1                     | 5                         | 186                 | 1528                |
| BERKSHIRE   | 568  | 329                                | 146                                  | 33                                      | 34  | 40  | 16  | 38                         | 28                             | 14  | 24                          | 17                   | 9                                    | 5                     | 8                         | 184                 | 1493                |
| BRISTOL     | 1783   | 980                                | 494                                  | 80                                      | 103                                       | 140   | 51  | 126                        | 53                             | 61  | 86                          | 39                   | 25                                   | 9                     | 20                        | 410                 | 4460                |
| DUKES       | 38   | 17                                 | 9                                    | 1                                       | 2   | 1   | 1   | 1                          | 5                              | 4   | 2                           | 3                    | 0                                    | 0                     | 0                         | 10                  | 94                  |
| ESSEX       | 2459   | 1435                               | 671                                  | 94                                      | 175                                       | 229   | 67  | 119                        | 105                            | 75  | 122                         | 62                   | 26                                   | 11                    | 22                        | 720                 | 6392                |
| FRANKLIN    | 236  | 126                                | 70                                   | 15                                      | 16  | 33  | 1   | 17                         | 9                              | 9   | 10                          | 5                    | 3                                    | 2                     | 2                         | 66                  | 620                 |
| HAMPODEN    | 1624   | 900                                | 462                                  | 61                                      | 127                                       | 134   | 45  | 99                         | 71                             | 44  | 97                          | 36                   | 14                                   | 7                     | 10                        | 454                 | 4185                |
| HAMPSHIRE   | 394  | 212                                | 97                                   | 15                                      | 24  | 42  | 5   | 27                         | 15                             | 10  | 17                          | 12                   | 5                                    | 0                     | 5                         | 116                 | 996                 |
| MIDDLESEX   | 4589   | 2552                               | 1087                                 | 175                                     | 316                                       | 491   | 103                                       | 203                        | 149                            | 121   | 226                         | 124                  | 65                                   | 34                    | 55                        | 1327                | 11617               |
| NANTUCKET   | 24   | 12                                 | 9                                    | 1                                       | 1   | 0   | 0   | 2                          | 0                              | 1   | 2                           | 0                    | 0                                    | 0                     | 0                         | 2                   | 54                  |
| NORFOLK     | 2016   | 1203                               | 521                                  | 104                                     | 140                                       | 205   | 39  | 84                         | 69                             | 49  | 81                          | 68                   | 18                                   | 20                    | 27                        | 607                 | 5251                |
| PLYMOUTH    | 1255   | 610                                | 328                                  | 105                                     | 69  | 95  | 45  | 65                         | 34                             | 32  | 47                          | 39                   | 26                                   | 16                    | 5                         | 322                 | 3093                |
| SUFFOLK     | 3021   | 1584                               | 527                                  | 88                                      | 198                                       | 452   | 83  | 145                        | 72                             | 69  | 185                         | 78                   | 34                                   | 116                   | 38                        | 1067                | 7757                |
| WORCESTER   | 2561   | 1261                               | 593                                  | 115                                     | 155                                       | 227   | 45  | 100                        | 101                            | 76  | 114                         | 60                   | 39                                   | 13                    | 28                        | 679                 | 6168                |
| STATE TOTAL | 21109  | 11596                              | 5145                                 | 913                                     | 1392                                      | 2164  | 514                                       | 1044                       | 752                            | 583   | 1042                        | 572                  | 268                                  | 234                   | 225                       | 6150                | 53708               |

TABLE 11  
MASSACHUSETTS  
15 SELECTED CAUSES OF DEATH BY HSA OF RESIDENCE

|                    | HEART DISEASE<br>(390-398, 400,<br>404, 410-429) | MALIGNANT NEO-<br>PLASMS (140-209) | CEREBROVASCULAR<br>DISEASE (430-438) | MOTOR VEHICLE<br>ACCIDENTS<br>(810-823) | OTHER ACCIDENTS<br>(800-907, 825-<br>949) | INFLUENZA AND<br>PNEUMONIA (470-<br>474, 480-486) | PERINATAL MORT.<br>(760-772, 774-<br>778) | DIABETES<br>MELLITUS (250) | ARTERIO-<br>SCLEROSIS<br>(440) | BRONCHITIS, EM-<br>PHYSEMA, ASTHMA<br>(490-493) | CIRRHOSIS OF<br>LIVER (571) | SUICIDE<br>(950-959) | CONGENITAL<br>ANOMALIES<br>(740-759) | HOMICIDE<br>(960-969) | PEPTIC ULCER<br>(531-533) | ALL OTHER<br>CAUSES | TOTAL ALL<br>CAUSES |
|--------------------|--|------------------------------------|--------------------------------------|---|---|---|---|----------------------------|--------------------------------|---|-----------------------------|----------------------|--------------------------------------|-----------------------|---------------------------|---------------------|---------------------|
| I WESTERN MASS     | 2869   | 1611                               | 791                                  | 123                                     | 213                                       | 253   | 69  | 183                        | 125                            | 79  | 149                         | 74                   | 32                                   | 13                    | 27                        | 842                 | 7453                |
| II CENTRAL MASS    | 2603   | 1249                               | 597                                  | 128                                     | 154                                       | 238   | 47  | 105                        | 100                            | 76  | 120                         | 60                   | 45                                   | 15                    | 28                        | 677                 | 6242                |
| III MERRIMACK      | 1822   | 899                                | 449                                  | 63                                      | 121                                       | 162   | 56  | 82                         | 113                            | 44  | 88                          | 37                   | 25                                   | 10                    | 20                        | 491                 | 4482                |
| IV METRO CENTRAL   | 3275   | 1744                               | 584                                  | 93                                      | 211                                       | 487   | 84  | 156                        | 79                             | 74  | 189                         | 88                   | 35                                   | 117                   | 41                        | 1152                | 8409                |
| IV METRO NORTHWEST | 1424   | 868                                | 361                                  | 61                                      | 109                                       | 207   | 25  | 78                         | 33                             | 38  | 74                          | 51                   | 18                                   | 12                    | 18                        | 472                 | 3849                |
| IV METRO WEST      | 1459   | 845                                | 335                                  | 59                                      | 96  | 141   | 32  | 61                         | 41                             | 46  | 70                          | 46                   | 24                                   | 9                     | 18                        | 434                 | 3716                |
| IV METRO SOUTHWEST | 425  | 283                                | 110                                  | 43                                      | 32  | 68  | 14  | 17                         | 18                             | 13  | 17                          | 11                   | 3                                    | 3                     | 7                         | 149                 | 1218                |
| IV METRO SOUTH     | 1129   | 631                                | 337                                  | 48                                      | 75  | 85  | 17  | 45                         | 35                             | 25  | 46                          | 34                   | 9                                    | 11                    | 12                        | 309                 | 2848                |
| V SOUTH SHORE      | 3585   | 1980                               | 934                                  | 210                                     | 203                                       | 301   | 109                                       | 208                        | 132                            | 113   | 168                         | 108                  | 55                                   | 22                    | 29                        | 921                 | 9078                |
| VI NORTH SHORE     | 2518   | 1486                               | 647                                  | 90                                      | 178                                       | 222   | 61  | 109                        | 76                             | 75  | 121                         | 63                   | 22                                   | 17                    | 25                        | 703                 | 6413                |
| STATE TOTAL        | 21109  | 11596                              | 5145                                 | 918                                     | 1392                                      | 2164  | 514                                       | 1044                       | 752                            | 583   | 1042                        | 572                  | 268                                  | 234                   | 225                       | 6150                | 53708               |

TABLE 9  
MASSACHUSETTS  
LEADING CAUSES OF RESIDENT DEATHS BY AGE GROUP AND SEX

|   | TOTAL | MALE | FEMALE |                                    | TOTAL | MALE | FEMALE |
|---|-------|------|--------|------------------------------------|-------|------|--------|
| <u>Under 1 Year</u>                             |       |      |        | <u>15-19 Years</u>                 |       |      |        |
| Certain Causes of Perinatal Mortality (760-779) | 525   | 301  | 224    | Motor Vehicle Accidents (810-823)  | 188   | 136  | 52     |
| Congenital Anomalies (740-759)                  | 174   | 98   | 76     | Other Accidents (800-809, 824-949) | 66    | 47   | 19     |
| Diseases of the Respiratory System (460-519)    | 59    | 38   | 21     | Suicide (950-959)                  | 32    | 26   | 6      |
| Sudden Infant Death Syndrome (7950)             | 56    | 41   | 15     | Homicide (960-969)                 | 30    | 22   | 8      |
| All Other Causes                                | 89    | 48   | 41     | Malignant Neoplasms (140-209)      | 23    | 16   | 7      |
| Total   | 903   | 526  | 377    | All Other Causes                   | 87    | 49   | 38     |
| <u>1-4 Years</u>                                |       |      |        | Total                              | 426   | 296  | 130    |
| Other Accidents (800-809, 824-949)              | 28    | 18   | 10     | <u>20-29 Years</u>                 |       |      |        |
| Congenital Anomalies (740-759)                  | 23    | 10   | 13     | Motor Vehicle Accidents (810-823)  | 296   | 239  | 57     |
| Diseases of the Respiratory System (460-519)    | 20    | 10   | 10     | Suicide (950-959)                  | 151   | 113  | 38     |
| Motor Vehicle Accidents (810-823)               | 14    | 9    | 5      | Other Accidents (800-809, 824-949) | 148   | 123  | 25     |
| All Other Causes                                | 67    | 38   | 29     | Malignant Neoplasms (140-209)      | 91    | 49   | 42     |
| Total   | 152   | 85   | 67     | Homicide (960-969)                 | 65    | 52   | 13     |
| <u>5-9 Years</u>                                |       |      |        | All Other Causes                   | 267   | 190  | 77     |
| Motor Vehicle Accidents (810-823)               | 30    | 23   | 7      | Total                              | 1018  | 766  | 252    |
| Malignant Neoplasms (140-209)                   | 26    | 12   | 14     | <u>30-39 Years</u>                 |       |      |        |
| Other Accidents (800-809, 824-949)              | 24    | 17   | 7      | Malignant Neoplasms (140-209)      | 182   | 71   | 111    |
| All Other Causes                                | 35    | 19   | 16     | Other Accidents (800-809, 824-949) | 96    | 73   | 23     |
| Total   | 115   | 71   | 44     | Ischemic Heart Disease (410-414)   | 85    | 74   | 11     |
| <u>10-14 Years</u>                              |       |      |        | Suicide (950-959)                  | 84    | 60   | 24     |
| Motor Vehicle Accidents (810-823)               | 32    | 23   | 9      | Motor Vehicle Accidents (810-823)  | 78    | 61   | 17     |
| Other Accidents (800-809, 824-949)              | 32    | 22   | 10     | All Other Causes                   | 397   | 252  | 145    |
| Malignant Neoplasms (140-209)                   | 25    | 16   | 9      | Total                              | 922   | 591  | 331    |
| All Other Causes                                | 57    | 33   | 24     | <u>40-44 Years</u>                 |       |      |        |
| Total   | 146   | 94   | 52     | Ischemic Heart Disease (410-414)   | 204   | 163  | 41     |
|   |       |      |        | Malignant Neoplasms (140-209)      | 201   | 103  | 98     |
|   |       |      |        | Cirrhosis of the Liver (571)       | 77    | 57   | 20     |
|   |       |      |        | Cerebrovascular Disease (430-438)  | 41    | 28   | 13     |
|   |       |      |        | All Other Causes                   | 289   | 187  | 102    |
|   |       |      |        | Total                              | 812   | 538  | 274    |

|  | TOTAL | MALE | FEMALE |  | TOTAL | MALE  | FEMALE |
|--|-------|------|--------|--|-------|-------|--------|
| <u>45-49 Years</u>                           |       |      |        |  |       |       |        |
| Malignant Neoplasms (140-209)                | 452   | 199  | 253    | Ischemic Heart Disease (410-414)             | 2487  | 1419  | 1068   |
| Ischemic Heart Disease (410-414)             | 391   | 328  | 63     | Malignant Neoplasms (140-209)                | 1749  | 989   | 760    |
| Cirrhosis of the Liver (571)                 | 119   | 75   | 44     | Cerebrovascular Disease (430-438)            | 677   | 298   | 379    |
| Cerebrovascular Disease (430-438)            | 66    | 44   | 22     | Diseases of the Respiratory System (460-519) | 491   | 324   | 167    |
| All Other Causes                             | 482   | 306  | 176    | Diabetes Mellitus (250)                      | 151   | 65    | 86     |
| Total  | 1510  | 952  | 558    | All Other Causes                             | 1253  | 640   | 613    |
| <u>50-54 Years</u>                           |       |      |        |  |       |       |        |
| Ischemic Heart Disease (410-414)             | 779   | 650  | 129    | Total  | 6808  | 3735  | 3073   |
| Malignant Neoplasms (140-209)                | 701   | 339  | 362    | <u>75-79 Years</u>                           |       |       |        |
| Cirrhosis of the Liver (571)                 | 141   | 97   | 44     | Ischemic Heart Disease (410-414)             | 2937  | 1425  | 1512   |
| Cerebrovascular Disease (430-438)            | 107   | 60   | 47     | Malignant Neoplasms (140-209)                | 1593  | 791   | 802    |
| All Other Causes                             | 637   | 398  | 239    | Cerebrovascular Disease (430-438)            | 882   | 322   | 560    |
| Total  | 2365  | 1544 | 821    | Diseases of the Respiratory System (460-519) | 612   | 384   | 228    |
| <u>55-59 Years</u>                           |       |      |        |  |       |       |        |
| Ischemic Heart Disease (410-414)             | 1143  | 883  | 260    | Other Accidents (800-809, 824-949)           | 128   | 53    | 75     |
| Malignant Neoplasms (140-209)                | 1105  | 617  | 488    | All Other Causes                             | 1413  | 670   | 743    |
| Diseases of the Respiratory System (460-519) | 160   | 120  | 40     | Total  | 7565  | 3645  | 3920   |
| Cirrhosis of the Liver (571)                 | 153   | 101  | 52     | <u>Over 79 Years</u>                         |       |       |        |
| Cerebrovascular Disease (430-438)            | 133   | 84   | 49     | Ischemic Heart Disease (410-414)             | 7380  | 2666  | 4714   |
| All Other Causes                             | 683   | 430  | 253    | Cerebrovascular Disease (430-438)            | 2513  | 794   | 1719   |
| Total  | 3377  | 2235 | 1142   | Malignant Neoplasms (140-209)                | 2357  | 1068  | 1289   |
| <u>60-64 Years</u>                           |       |      |        |  |       |       |        |
| Ischemic Heart Disease (410-414)             | 1649  | 1198 | 451    | Diseases of the Respiratory System (460-519) | 1412  | 730   | 682    |
| Malignant Neoplasms (140-209)                | 1475  | 825  | 650    | Arteriosclerosis (440)                       | 553   | 163   | 390    |
| Cerebrovascular Disease (430-438)            | 264   | 139  | 125    | All Other Causes                             | 3059  | 1140  | 1919   |
| Diseases of the Respiratory System (460-519) | 262   | 187  | 75     | Total  | 17274 | 6561  | 10713  |
| Cirrhosis of the Liver (571)                 | 164   | 115  | 49     | <u>All Ages</u>                              |       |       |        |
| All Other Causes                             | 830   | 519  | 311    | Ischemic Heart Disease (410-414)             | 19183 | 10210 | 8973   |
| Total  | 4644  | 2983 | 1661   | Malignant Neoplasms (140-209)                | 11596 | 5998  | 5598   |
| <u>65-69 Years</u>                           |       |      |        |  |       |       |        |
| Ischemic Heart Disease (410-414)             | 2116  | 1393 | 723    | Cerebrovascular Disease (430-438)            | 5145  | 2001  | 3144   |
| Malignant Neoplasms (140-209)                | 1604  | 899  | 705    | Diseases of the Respiratory System (460-519) | 3647  | 2214  | 1433   |
| Cerebrovascular Disease (430-438)            | 394   | 195  | 199    | All Other Causes                             | 14137 | 7614  | 6522   |
| Diseases of the Respiratory System (460-519) | 339   | 236  | 103    | Total  | 53708 | 28037 | 25670  |
| Cirrhosis of the Liver (571)                 | 147   | 97   | 50     | Total Includes 1 Death of Unknown Sex        |       |       |        |
| All Other Causes                             | 1068  | 494  | 474    |  |       |       |        |
| Total  | 5668  | 3414 | 2254   |  |       |       |        |

TABLE 10  
MASSACHUSETTS  
SELECTED TYPES OF ACCIDENTAL DEATHS BY SEX AND AGE OCCURRING IN MASSACHUSETTS

| TYPE OF ACCIDENT             | TOTAL | A G E   |     |     |       |       |       |       |       |       |       |       |       |       |       |       |     | 30+ UNKNOWN |
|------------------------------|-------|---------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------------|
|                              |       | UNDER 1 | 1-4 | 5-9 | 10-14 | 15-19 | 20-29 | 30-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 |     |             |
| AUTO OCCUPANT                |       |         |     |     |       |       |       |       |       |       |       |       |       |       |       |       |     |             |
| MALE                         | 416   | 1       | 3   | 5   | 6     | 99    | 169   | 47    | 8     | 17    | 16    | 13    | 5     | 12    | 3     | 5     | 7   |             |
| FEMALE                       | 165   | 0       | 4   | 0   | 2     | 36    | 47    | 11    | 8     | 6     | 9     | 10    | 9     | 7     | 6     | 7     | 3   |             |
| TOTAL                        | 581   | 1       | 7   | 5   | 8     | 135   | 216   | 58    | 16    | 23    | 25    | 23    | 14    | 19    | 9     | 12    | 10  |             |
| MOTORCYCLIST                 |       |         |     |     |       |       |       |       |       |       |       |       |       |       |       |       |     |             |
| MALE                         | 58    | 0       | 0   | 1   | 0     | 12    | 37    | 4     | 1     | 2     | 1     | 0     | 0     | 0     | 0     | 0     | 0   |             |
| FEMALE                       | 8     | 0       | 0   | 1   | 0     | 4     | 2     | 0     | 0     | 0     | 1     | 0     | 0     | 0     | 0     | 0     | 0   |             |
| TOTAL                        | 66    | 0       | 0   | 2   | 0     | 16    | 39    | 4     | 1     | 2     | 2     | 0     | 0     | 0     | 0     | 0     | 0   |             |
| PEDAL CYCLIST                |       |         |     |     |       |       |       |       |       |       |       |       |       |       |       |       |     |             |
| MALE                         | 16    | 0       | 1   | 3   | 4     | 2     | 3     | 0     | 2     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0   |             |
| FEMALE                       | 2     | 0       | 0   | 1   | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   |             |
| TOTAL                        | 18    | 0       | 1   | 4   | 5     | 2     | 3     | 0     | 2     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0   |             |
| PEDESTRIAN                   |       |         |     |     |       |       |       |       |       |       |       |       |       |       |       |       |     |             |
| MALE                         | 132   | 0       | 5   | 14  | 10    | 11    | 19    | 11    | 2     | 5     | 7     | 6     | 10    | 3     | 8     | 11    | 10  |             |
| FEMALE                       | 75    | 0       | 2   | 6   | 6     | 8     | 4     | 1     | 4     | 2     | 3     | 4     | 2     | 9     | 10    | 7     | 7   |             |
| TOTAL                        | 207   | 0       | 7   | 20  | 16    | 19    | 23    | 12    | 6     | 7     | 10    | 10    | 12    | 12    | 18    | 18    | 17  |             |
| POISONING                    |       |         |     |     |       |       |       |       |       |       |       |       |       |       |       |       |     |             |
| MALE                         | 68    | 1       | 0   | 0   | 0     | 9     | 31    | 10    | 1     | 5     | 1     | 3     | 3     | 3     | 1     | 0     | 0   |             |
| FEMALE                       | 34    | 0       | 0   | 0   | 0     | 3     | 7     | 7     | 4     | 0     | 2     | 2     | 2     | 1     | 0     | 1     | 0   |             |
| TOTAL                        | 102   | 1       | 0   | 0   | 0     | 12    | 38    | 17    | 5     | 5     | 3     | 5     | 5     | 4     | 1     | 1     | 0   |             |
| FALLS                        |       |         |     |     |       |       |       |       |       |       |       |       |       |       |       |       |     |             |
| MALE                         | 275   | 2       | 0   | 0   | 0     | 3     | 12    | 12    | 3     | 14    | 16    | 19    | 27    | 21    | 21    | 34    | 91  |             |
| FEMALE                       | 337   | 0       | 2   | 0   | 1     | 0     | 3     | 2     | 1     | 1     | 3     | 1     | 3     | 14    | 25    | 52    | 229 |             |
| TOTAL                        | 612   | 2       | 2   | 0   | 1     | 3     | 15    | 14    | 4     | 15    | 19    | 20    | 30    | 35    | 46    | 86    | 320 |             |
| FIRE-PLANES                  |       |         |     |     |       |       |       |       |       |       |       |       |       |       |       |       |     |             |
| MALE                         | 129   | 1       | 7   | 9   | 5     | 8     | 18    | 11    | 3     | 9     | 9     | 8     | 13    | 9     | 5     | 5     | 9   |             |
| FEMALE                       | 71    | 2       | 5   | 1   | 3     | 7     | 4     | 3     | 2     | 3     | 6     | 5     | 9     | 5     | 8     | 6     | 0   |             |
| TOTAL                        | 200   | 3       | 12  | 10  | 8     | 15    | 22    | 14    | 5     | 12    | 15    | 13    | 22    | 14    | 13    | 11    | 0   |             |
| DROWNING                     |       |         |     |     |       |       |       |       |       |       |       |       |       |       |       |       |     |             |
| MALE                         | 106   | 0       | 6   | 8   | 9     | 13    | 30    | 9     | 4     | 9     | 4     | 3     | 4     | 4     | 1     | 0     | 2   |             |
| FEMALE                       | 26    | 0       | 0   | 3   | 4     | 3     | 4     | 1     | 0     | 1     | 3     | 2     | 1     | 2     | 2     | 0     | 0   |             |
| TOTAL                        | 132   | 0       | 6   | 11  | 13    | 16    | 34    | 10    | 4     | 10    | 7     | 5     | 5     | 6     | 3     | 0     | 2   |             |
| INHALATION/INGESTION OF FOOD |       |         |     |     |       |       |       |       |       |       |       |       |       |       |       |       |     |             |
| MALE                         | 34    | 0       | 0   | 0   | 0     | 0     | 2     | 3     | 4     | 2     | 3     | 2     | 7     | 4     | 3     | 1     | 3   |             |
| FEMALE                       | 33    | 3       | 0   | 1   | 0     | 2     | 3     | 3     | 1     | 3     | 1     | 1     | 2     | 0     | 4     | 3     | 0   |             |
| TOTAL                        | 67    | 3       | 0   | 1   | 0     | 2     | 5     | 6     | 5     | 5     | 4     | 3     | 9     | 4     | 7     | 4     | 9   |             |
| ALL OTHER ACCIDENTS          |       |         |     |     |       |       |       |       |       |       |       |       |       |       |       |       |     |             |
| MALE                         | 232   | 2       | 5   | 2   | 8     | 22    | 47    | 25    | 10    | 12    | 13    | 17    | 11    | 24    | 5     | 14    | 15  |             |
| FEMALE                       | 105   | 0       | 2   | 2   | 3     | 5     | 6     | 9     | 1     | 3     | 9     | 5     | 5     | 7     | 6     | 13    | 28  |             |
| TOTAL                        | 337   | 2       | 7   | 4   | 11    | 27    | 53    | 34    | 11    | 15    | 22    | 22    | 16    | 31    | 11    | 27    | 43  |             |
| TOTAL ACCIDENTS              |       |         |     |     |       |       |       |       |       |       |       |       |       |       |       |       |     |             |
| MALE                         | 1466  | 7       | 27  | 12  | 42    | 179   | 368   | 132   | 38    | 76    | 70    | 71    | 80    | 80    | 47    | 70    | 137 |             |
| FEMALE                       | 856   | 5       | 15  | 15  | 20    | 68    | 80    | 37    | 21    | 19    | 37    | 30    | 33    | 45    | 61    | 89    | 280 |             |
| TOTAL                        | 2322  | 12      | 42  | 27  | 62    | 247   | 448   | 169   | 59    | 95    | 107   | 101   | 113   | 125   | 108   | 159   | 417 |             |

TABLE 11  
MASSACHUSETTS  
DISTRIBUTION OF MARRIAGES BY COUNTY AND MONTH

| COUNTY     | MONTH OF MARRIAGE |      |      |      |      |      |      |      |      |      |      |            |
|------------|-------------------|------|------|------|------|------|------|------|------|------|------|------------|
|            | JAN               | FEB  | MAR  | APR  | MAY  | JUNE | JULY | AUG  | SEPT | OCT  | NOV  | DEC TOTAL  |
| HARNSTABLE | 55                | 74   | 41   | 72   | 125  | 151  | 95   | 168  | 140  | 106  | 80   | 66 1173    |
| BEPKSHIRE  | 62                | 70   | 58   | 78   | 123  | 72   | 145  | 184  | 108  | 130  | 81   | 69 1280    |
| BRISTOL    | 194               | 227  | 193  | 305  | 389  | 88   | 333  | 439  | 346  | 373  | 281  | 227 3795   |
| DIKES      | 5                 | 3    | 6    | 6    | 9    | 12   | 15   | 22   | 20   | 10   | 3    | 7 118      |
| ESSEX      | 214               | 247  | 220  | 348  | 519  | 53   | 396  | 608  | 412  | 431  | 345  | 258 4651   |
| FRANKLIN   | 31                | 21   | 19   | 29   | 47   | 76   | 43   | 66   | 50   | 56   | 47   | 30 515     |
| HAMPDEN    | 146               | 165  | 162  | 296  | 407  | 445  | 312  | 471  | 315  | 376  | 261  | 192 3548   |
| HAMPSHIRE  | 50                | 41   | 37   | 53   | 90   | 136  | 86   | 126  | 77   | 90   | 65   | 48 899     |
| MIDDLESEX  | 416               | 459  | 490  | 827  | 1093 | 1283 | 774  | 1254 | 1030 | 1066 | 772  | 543 10007  |
| NANTUCKET  | 3                 | 7    | 3    | 3    | 7    | 8    | 6    | 12   | 11   | 5    | 4    | 4 73       |
| NORFOLK    | 159               | 196  | 223  | 332  | 440  | 572  | 309  | 524  | 421  | 454  | 291  | 205 4126   |
| PLYMOUTH   | 121               | 157  | 134  | 205  | 264  | 381  | 261  | 339  | 287  | 276  | 227  | 166 2818   |
| SUFFOLK    | 220               | 239  | 254  | 369  | 422  | 522  | 348  | 477  | 438  | 413  | 354  | 224 4280   |
| WORCESTER  | 235               | 245  | 226  | 375  | 505  | 627  | 416  | 592  | 455  | 524  | 349  | 271 4820   |
| TOTAL      | 1911              | 2151 | 2066 | 3298 | 4440 | 5526 | 3539 | 5282 | 4110 | 4310 | 3160 | 2310 42103 |

TABLE 10  
MASSACHUSETTS  
DISTRIBUTION BY COUNTY OF DIVORCES AND ANNULMENTS GRANTED

| C O U N T Y | DIVORCES | ANNULMENTS | C O U N T Y | DIVORCES | ANNULMENTS |
|-------------|----------|------------|-------------|----------|------------|
| BARNSTABLE  | 437      | 5          | MIDDLESEX   | 3,790    | 1          |
| BERKSHIRE   | 531      | 0          | NANTUCKET   | 20       | 0          |
| BRISTOL     | 1,449    | 11         | NORFOLK     | 1,372    | 13         |
| BUKES       | 37       | 0          | PLYMOUTH    | 1,075    | 11         |
| ESSEX       | 1,623    | 0          | SUFFOLK     | 1,784    | 23         |
| FRANKLIN    | 301      | 1          | WORCESTER   | 2,210    | 31         |
| HAMPDEN     | 1,383    | 20         | UNKNOWN     | 0        | 0          |
| HAMPSHIRE   | 448      | 5          | STATE       | 16,460   | 121        |



TABLE 13  
MASSACHUSETTS  
1970 POPULATION BY SEX AND AGE

|          | TOTAL   | MALE    | FEMALE  |
|----------|---------|---------|---------|
| ALL AGES | 5689170 | 2719398 | 2969772 |
| UNDER 1  | 91754   | 46839   | 44915   |
| 1 - 4    | 378312  | 193091  | 185221  |
| 5 - 9    | 542364  | 276729  | 265635  |
| 10 - 14  | 555393  | 283892  | 271501  |
| 15 - 19  | 514556  | 254999  | 259557  |
| 20 - 24  | 464405  | 217531  | 246874  |
| 25 - 29  | 371597  | 183098  | 188499  |
| 30 - 34  | 295250  | 144934  | 150316  |
| 35 - 39  | 296823  | 145570  | 151253  |
| 40 - 44  | 330859  | 160489  | 170370  |
| 45 - 49  | 342577  | 164073  | 178504  |
| 50 - 54  | 326180  | 154855  | 171325  |
| 55 - 59  | 290128  | 135032  | 155096  |
| 60 - 64  | 252787  | 113128  | 139659  |
| 65 - 69  | 207483  | 87197   | 120286  |
| 70 - 74  | 173528  | 67491   | 106037  |
| 75 - 79  | 126527  | 47160   | 79367   |
| 80 - 84  | 77197   | 26818   | 50379   |
| OVER 84  | 51450   | 16472   | 34978   |

TABLE 14  
MASSACHUSETTS  
POPULATION  
FOR

LAST FIVE CENSUS YEARS

|                       | 1970       | 1965       | 1960       | 1955       | 1950       |
|-----------------------|------------|------------|------------|------------|------------|
| STATE                 | 5689170    | 5295281    | 5148578    | 4837645    | 4690514    |
| <br>BARNSTABLE COUNTY | <br>96656  | <br>73557  | <br>70286  | <br>52728  | <br>46805  |
| BARNSTABLE            | 19842      | 15609      | 13465      | 12051      | 10480      |
| BOURNE                | 12636      | 6376       | 14011      | 4881       | 4720       |
| BREWSTER              | 1790       | 1533       | 1236       | 1172       | 987        |
| CHATHAM               | 4554       | 4195       | 3273       | 3116       | 2457       |
| DENNIS                | 6454       | 4374       | 3727       | 3322       | 2499       |
| EASTHAM               | 2043       | 1733       | 1200       | 1107       | 860        |
| FALMOUTH              | 15942      | 13832      | 13037      | 9592       | 8662       |
| HARWICH               | 5892       | 4830       | 3747       | 3367       | 2649       |
| MASHPEE               | 1288       | 665        | 867        | 524        | 438        |
| ORLEANS               | 3055       | 3181       | 2342       | 2201       | 1759       |
| PROVINCETOWN          | 2911       | 3463       | 3389       | 3415       | 3795       |
| SANDWICH              | 5239       | 2438       | 2082       | 1642       | 2418       |
| TRURO                 | 1234       | 962        | 1002       | 851        | 661        |
| WELLFLEET             | 1743       | 1651       | 1404       | 1331       | 1123       |
| YARMOUTH              | 12033      | 8715       | 5504       | 4156       | 3297       |
| <br>BERKSHIRE COUNTY  | <br>149402 | <br>145597 | <br>142135 | <br>138119 | <br>132966 |
| ADAMS                 | 11772      | 12703      | 12391      | 12789      | 12034      |
| ALFORD                | 302        | 224        | 256        | 252        | 212        |
| BECKET                | 929        | 876        | 770        | 777        | 755        |
| CHESHIRE              | 3006       | 2718       | 2472       | 2188       | 2022       |
| CLARKSBURG            | 1987       | 1945       | 1741       | 1602       | 1630       |
| DALTON                | 7505       | 7360       | 6436       | 5574       | 4772       |
| EGREMONT              | 1138       | 1013       | 895        | 851        | 731        |
| FLORIDA               | 672        | 679        | 569        | 537        | 479        |
| GT. BARRINGTON        | 7537       | 7147       | 6624       | 6930       | 6712       |
| HANCOCK               | 675        | 517        | 455        | 463        | 445        |
| HINDSDALE             | 1588       | 1485       | 1414       | 1451       | 1560       |
| LANESBOROUGH          | 2972       | 3062       | 2933       | 2681       | 2069       |
| LEE                   | 6426       | 6021       | 5271       | 5155       | 4820       |
| LENOX                 | 5804       | 4661       | 4253       | 3592       | 3627       |
| MONTEREY              | 600        | 580        | 480        | 450        | 367        |
| MT. WASHINGTON        | 52         | 53         | 34         | 42         | 34         |
| NEW ASHFORD           | 183        | 174        | 165        | 155        | 118        |
| NEW MARLBORO          | 1031       | 1103       | 1083       | 1051       | 989        |
| NORTH ADAMS           | 19195      | 19805      | 19905      | 21493      | 21567      |
| OTIS                  | 820        | 572        | 473        | 491        | 359        |

|  | 1970 | 1965 | 1960 | 1955 | 1950 |
|--|------|------|------|------|------|
|--|------|------|------|------|------|

## BERKSHIRE CO. (cont.)

|                |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|
| PERU           | 256   | 220   | 197   | 172   | 143   |
| PITTSFIELD     | 57020 | 56511 | 57879 | 55290 | 53348 |
| RICHMOND       | 1461  | 1121  | 890   | 837   | 737   |
| SANDISFIELD    | 547   | 614   | 536   | 571   | 437   |
| SAVOY          | 322   | 303   | 277   | 312   | 291   |
| SHEFFIELD      | 2374  | 2355  | 2138  | 2110  | 2150  |
| STOCKBRIDGE    | 2312  | 2417  | 2161  | 2292  | 2311  |
| TYRINGHAM      | 234   | 251   | 197   | 231   | 235   |
| WAHINGTON      | 406   | 298   | 290   | 301   | 281   |
| W. STOCKBRIDGE | 1354  | 1337  | 1244  | 1192  | 1165  |
| WILLIAMSTOWN   | 8454  | 7042  | 7322  | 5911  | 6194  |
| WINDSOR        | 468   | 430   | 384   | 376   | 372   |

|                |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|
| BRISTOL COUNTY | 444301 | 415242 | 398488 | 389540 | 381569 |
|----------------|--------|--------|--------|--------|--------|

|               |        |        |        |        |        |
|---------------|--------|--------|--------|--------|--------|
| ACUSHNET      | 7767   | 6717   | 5755   | 4892   | 4401   |
| ATTLEBORO     | 32907  | 28690  | 27118  | 24870  | 23809  |
| BERKLEY       | 2027   | 1769   | 1609   | 1372   | 1284   |
| DARTMOUTH     | 18800  | 17187  | 14607  | 13077  | 11115  |
| DIGHTON       | 4667   | 4131   | 3769   | 3315   | 2950   |
| EASTON        | 12157  | 10130  | 9078   | 7324   | 6244   |
| FAIRHAVEN     | 16332  | 15642  | 14339  | 13376  | 12764  |
| FALL RIVER    | 96898  | 98053  | 99942  | 105195 | 111963 |
| FREETOWN      | 4270   | 3337   | 3039   | 2573   | 2104   |
| MANSFIELD     | 9939   | 8620   | 7773   | 7708   | 7184   |
| NEW BEDFORD   | 101777 | 100176 | 102477 | 105488 | 109189 |
| NO. ATTLEBORO | 18665  | 15682  | 14777  | 13069  | 12146  |
| NORTON        | 9487   | 6737   | 6818   | 5160   | 4401   |
| RAYNHAM       | 6705   | 5937   | 4150   | 3307   | 2426   |
| REHOBOTH      | 6512   | 5489   | 4953   | 4211   | 3700   |
| SEEKONK       | 11116  | 9880   | 8399   | 7290   | 6104   |
| SOMERSET      | 18088  | 15080  | 12196  | 10646  | 8566   |
| SWANSEA       | 12640  | 11767  | 9916   | 9043   | 6121   |
| TAUNTON       | 43756  | 42018  | 41132  | 41281  | 40109  |
| WESTPORT      | 9791   | 8200   | 6641   | 6343   | 4989   |

|              |      |      |      |      |      |
|--------------|------|------|------|------|------|
| DUKES COUNTY | 6117 | 5948 | 5829 | 6069 | 5633 |
|--------------|------|------|------|------|------|

|              |      |      |      |      |      |
|--------------|------|------|------|------|------|
| CHILMARK     | 340  | 300  | 238  | 242  | 183  |
| EDGARTOWN    | 1481 | 1513 | 1474 | 1518 | 1508 |
| GAY HEAD     | 118  | 113  | 103  | 125  | 88   |
| GOSNOLD      | 83   | 61   | 66   | 100  | 56   |
| OAK BLUFFS   | 1385 | 1492 | 1419 | 1564 | 1521 |
| TISBURY      | 2257 | 2080 | 2169 | 2163 | 1930 |
| WEST TISBURY | 453  | 389  | 360  | 357  | 347  |

|                 | 1970   | 1965   | 1960   | 1955   | 1950   |
|-----------------|--------|--------|--------|--------|--------|
| ESSEX COUNTY    | 637887 | 608996 | 568831 | 543526 | 522384 |
| AMESBURY        | 11388  | 11617  | 10787  | 11189  | 10851  |
| ANDOVER         | 23695  | 20551  | 15878  | 14535  | 12437  |
| BEVERLY         | 38348  | 38135  | 36108  | 31432  | 28884  |
| BOXFORD         | 4032   | 3004   | 2010   | 1177   | 926    |
| DANVERS         | 26151  | 24764  | 21926  | 18185  | 15720  |
| ESSEX           | 2670   | 2502   | 2238   | 2031   | 1794   |
| GEORGETOWN      | 5290   | 4644   | 3755   | 2821   | 2411   |
| GLOUCESTER      | 27941  | 26744  | 25789  | 25966  | 25167  |
| GROVELAND       | 5382   | 4866   | 3297   | 2643   | 2340   |
| HAMILTON        | 6373   | 6141   | 5488   | 4116   | 2764   |
| HAVERHILL       | 46120  | 43249  | 46346  | 45436  | 47280  |
| IPSWICH         | 10750  | 9955   | 8544   | 7841   | 6895   |
| LAWRENCE        | 66915  | 69070  | 70933  | 76094  | 80536  |
| LYNN            | 90294  | 92653  | 94478  | 99020  | 99738  |
| LYNNFIELD       | 10826  | 9821   | 8398   | 5667   | 3927   |
| MANCHESTER      | 5151   | 4386   | 3932   | 3376   | 2868   |
| MARBLEHEAD      | 21295  | 20942  | 18521  | 15908  | 13765  |
| MERRIMAC        | 4245   | 3733   | 3261   | 2980   | 2804   |
| METHUEN         | 35456  | 32466  | 28114  | 26437  | 24477  |
| MIDDLETON       | 4044   | 3909   | 3718   | 3370   | 2916   |
| NAHANT          | 4119   | 4067   | 3960   | 3231   | 2679   |
| NEWBURY         | 3804   | 3485   | 2519   | 2281   | 1994   |
| NEWBURYPORT     | 15807  | 14732  | 14004  | 14549  | 14111  |
| NO. ANDOVER     | 16284  | 12514  | 10908  | 9362   | 8485   |
| PEABODY         | 48080  | 41781  | 32202  | 26682  | 22645  |
| ROCKPORT        | 5636   | 5297   | 4616   | 4633   | 4231   |
| ROWLEY          | 3040   | 2862   | 2783   | 2007   | 1768   |
| SALEM           | 40556  | 40112  | 39211  | 40117  | 41880  |
| SALISBURY       | 4179   | 4032   | 3154   | 2807   | 2695   |
| SAUGUS          | 25110  | 23429  | 20666  | 18489  | 17162  |
| SWAMPSCOTT      | 13578  | 13995  | 13294  | 13070  | 11580  |
| TOPSFIELD       | 5225   | 4375   | 3351   | 2208   | 1412   |
| WENHAM          | 3849   | 3114   | 2798   | 2245   | 1644   |
| WEST NEWBURY    | 2254   | 2049   | 1844   | 1621   | 1598   |
| FRANKLIN COUNTY | 59210  | 57687  | 54864  | 55573  | 52747  |
| ASHFIELD        | 1274   | 1218   | 1131   | 1072   | 977    |
| BERNARDSTON     | 1659   | 1560   | 1370   | 1277   | 1117   |
| BUCKLAND        | 1892   | 1846   | 1664   | 1669   | 1605   |
| CHARLEMONT      | 897    | 903    | 897    | 857    | 855    |
| COLRAIN         | 1420   | 1461   | 1426   | 1511   | 1546   |
| CONWAY          | 998    | 948    | 875    | 888    | 873    |
| DEERFIELD       | 3850   | 3481   | 3338   | 3111   | 3086   |
| ERVING          | 1260   | 1353   | 1272   | 1385   | 1322   |
| GILL            | 1100   | 1290   | 1203   | 1125   | 1070   |
| GREENFIELD      | 18116  | 18265  | 17690  | 18059  | 17349  |
| HAWLEY          | 224    | 249    | 251    | 281    | 244    |
| HEATH           | 383    | 300    | 304    | 327    | 305    |

|  | 1970 | 1965 | 1960 | 1955 | 1950 |
|--|------|------|------|------|------|
|--|------|------|------|------|------|

## FRANKLIN CO. (cont.)

|            |      |      |      |      |      |
|------------|------|------|------|------|------|
| LEVERETT   | 1005 | 976  | 914  | 845  | 791  |
| LEYDEN     | 376  | 343  | 343  | 335  | 306  |
| MONROE     | 216  | 213  | 210  | 176  | 174  |
| MONTAGUE   | 8451 | 8629 | 7836 | 8428 | 7812 |
| NEW SALEM  | 474  | 449  | 397  | 439  | 392  |
| NORTHFIELD | 2631 | 2412 | 2320 | 2337 | 2246 |
| ORANGE     | 6104 | 6206 | 6154 | 6161 | 5894 |
| ROWE       | 277  | 276  | 231  | 207  | 199  |
| SHELBURNE  | 1836 | 1819 | 1739 | 1752 | 1756 |
| SHUTESBURY | 489  | 333  | 265  | 240  | 213  |
| SUNDERLAND | 2236 | 1298 | 1279 | 1270 | 905  |
| WARWICK    | 492  | 438  | 426  | 476  | 429  |
| WENDELL    | 405  | 294  | 292  | 339  | 342  |
| WHATELY    | 1145 | 1127 | 1037 | 1006 | 939  |

|                |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|
| HAMPDEN COUNTY | 459050 | 435281 | 429353 | 389237 | 367971 |
| AGAWAM         | 21717  | 17484  | 15718  | 13177  | 10166  |
| BLANDFORD      | 863    | 859    | 636    | 705    | 597    |
| BRIMFIELD      | 1907   | 1644   | 1414   | 1393   | 1182   |
| CHESTER        | 1025   | 1143   | 1155   | 1323   | 1292   |
| CHICOPEE       | 66676  | 58377  | 61553  | 49071  | 49211  |
| E. LONGMEADOW  | 13029  | 11988  | 10294  | 7857   | 4881   |
| GRANTVILLE     | 1008   | 984    | 874    | 824    | 740    |
| HAMPDEN        | 4572   | 3211   | 2345   | 1756   | 1322   |
| HOLLAND        | 931    | 798    | 561    | 552    | 377    |
| HOLYOKE        | 50112  | 52636  | 52689  | 53213  | 54661  |
| LONGMEADOW     | 15630  | 13809  | 10565  | 8482   | 6508   |
| LUDLOW         | 17580  | 15922  | 13805  | 10530  | 8660   |
| MONSON         | 7355   | 7324   | 6712   | 6619   | 6125   |
| MONTGOMERY     | 446    | 397    | 333    | 246    | 157    |
| PALMER         | 11680  | 11394  | 10358  | 10316  | 9533   |
| RUSSELL        | 1382   | 1514   | 1366   | 1385   | 1298   |
| SOUTHWICK      | 6330   | 5619   | 5139   | 4479   | 2855   |
| SPRINGFIELD    | 163905 | 165520 | 174463 | 166052 | 162399 |
| TOLLAND        | 172    | 104    | 101    | 101    | 107    |
| WALES          | 852    | 757    | 659    | 639    | 497    |
| W. SPRINGFIELD | 28461  | 26070  | 24924  | 22871  | 20438  |
| WESTFIELD      | 31433  | 28020  | 26302  | 22046  | 20962  |
| WILBRAHAM      | 11984  | 9707   | 7387   | 5600   | 4003   |

|                  |        |        |        |       |       |
|------------------|--------|--------|--------|-------|-------|
| HAMPSHIRE COUNTY | 123981 | 100065 | 103229 | 87142 | 87594 |
| AMHERST          | 26331  | 10097  | 13718  | 8204  | 10856 |
| BELCHERTOWN      | 5936   | 5758   | 5186   | 4918  | 4487  |
| CHESTERFIELD     | 704    | 649    | 556    | 515   | 496   |

|                       | 1970    | 1965    | 1960    | 1955    | 1950    |
|-----------------------|---------|---------|---------|---------|---------|
| HAMPSHIRE CO. (cont.) |         |         |         |         |         |
| CUMMINGTON            | 562     | 602     | 550     | 588     | 620     |
| EASTHAMPTON           | 13012   | 12974   | 12326   | 11698   | 10694   |
| GOSHEN                | 483     | 437     | 385     | 340     | 321     |
| GRANBY                | 5473    | 4770    | 4221    | 2853    | 1861    |
| HADLEY                | 3750    | 3568    | 3099    | 2893    | 2639    |
| HATFIELD              | 2825    | 2708    | 2350    | 2236    | 2179    |
| HUNTINGTON            | 1593    | 1454    | 1392    | 1376    | 1257    |
| MIDDLEFIELD           | 288     | 280     | 315     | 335     | 295     |
| NORTHAMPTON           | 29664   | 27062   | 30058   | 26271   | 29063   |
| PELHAM                | 937     | 921     | 805     | 658     | 579     |
| PLAINFIELD            | 287     | 261     | 237     | 254     | 228     |
| SO. HADLEY            | 17033   | 14249   | 14956   | 11307   | 10145   |
| SOUTHAMPTON           | 3069    | 2634    | 2192    | 1794    | 1387    |
| WARE                  | 8187    | 7886    | 7517    | 7603    | 7517    |
| WESTHAMPTON           | 793     | 723     | 583     | 535     | 452     |
| WILLIAMSBURG          | 2342    | 2389    | 2186    | 2248    | 2056    |
| WORTHINGTON           | 712     | 643     | 597     | 516     | 462     |
|                       |         |         |         |         |         |
| MIDDLESEX COUNTY      | 1397268 | 1280235 | 1238742 | 1115252 | 1064569 |
|                       |         |         |         |         |         |
| ACTON                 | 14770   | 10188   | 7238    | 4681    | 3510    |
| ARLINGTON             | 53524   | 52482   | 49953   | 47148   | 44353   |
| ASHBY                 | 2274    | 2089    | 1883    | 1654    | 1464    |
| ASHLAND               | 8882    | 8698    | 7779    | 5828    | 3500    |
| AYER                  | 7393    | 3820    | 14927   | 3479    | 5740    |
| BEDFORD               | 13513   | 10787   | 10969   | 8776    | 5234    |
| BELMONT               | 28285   | 28794   | 28715   | 28790   | 27381   |
| BILLERICA             | 31648   | 23633   | 17867   | 14403   | 11101   |
| BOXBOROUGH            | 1451    | 1163    | 744     | 594     | 439     |
| BURLINGTON            | 21980   | 19473   | 12852   | 5225    | 3250    |
| CAMBRIDGE             | 100361  | 92677   | 107716  | 98958   | 120740  |
| CARLISLE              | 2871    | 2011    | 1488    | 1138    | 876     |
| CHELMSFORD            | 31432   | 23040   | 15130   | 11749   | 9407    |
| CONCORD               | 16148   | 14516   | 12517   | 10889   | 8623    |
| DRACUT                | 18214   | 16535   | 13674   | 11050   | 8666    |
| DUNSTABLE             | 1292    | 1021    | 824     | 704     | 522     |
| EVERETT               | 42485   | 43410   | 43544   | 45077   | 45982   |
| FRAMINGHAM            | 64048   | 52369   | 44526   | 31589   | 28086   |
| GROTON                | 5109    | 4500    | 3904    | 3497    | 2889    |
| HOLLISTON             | 12069   | 8915    | 6222    | 4471    | 3753    |
| HOPKINTON             | 5981    | 5512    | 4932    | 4407    | 3486    |
| HUDSON                | 16084   | 13642   | 9666    | 8904    | 8211    |
| LEXINGTON             | 31886   | 31388   | 27691   | 22256   | 17335   |
| LINCOLN               | 7567    | 4463    | 5613    | 2949    | 2427    |
| LITTLETON             | 6380    | 5572    | 5109    | 3079    | 2349    |
| LOWELL                | 94239   | 86535   | 92107   | 93876   | 97249   |

1970                      1965                      1960                      1955                      1950

## MIDDLESEX CO. (cont.)

|             |       |       |       |       |        |
|-------------|-------|-------|-------|-------|--------|
| MALDEN      | 51627 | 56142 | 57676 | 59497 | 59804  |
| MARLBORO    | 27936 | 23591 | 18819 | 16892 | 15756  |
| MAYNARD     | 9710  | 9070  | 7695  | 7253  | 6978   |
| MEDFORD     | 64397 | 60429 | 64971 | 65393 | 66113  |
| MELROSE     | 33180 | 32105 | 29619 | 29239 | 26988  |
| NATICK      | 31057 | 30365 | 28831 | 26213 | 19838  |
| NEWTON      | 91066 | 88514 | 92384 | 86535 | 81994  |
| NO. READING | 11264 | 9882  | 8331  | 6083  | 4402   |
| PEPPERELL   | 5887  | 4573  | 4336  | 3437  | 3460   |
| READING     | 22539 | 21188 | 19259 | 16440 | 14006  |
| SHERBORN    | 3309  | 2333  | 1806  | 1439  | 1245   |
| SHIRLEY     | 4909  | 3180  | 5202  | 2832  | 4271   |
| SOMERVILLE  | 88779 | 86332 | 94697 | 97032 | 102351 |
| STONEHAM    | 20725 | 20109 | 17821 | 15817 | 13229  |
| STOW        | 3984  | 3191  | 2573  | 2195  | 1700   |
| SUDBURY     | 13506 | 10894 | 7447  | 3646  | 2496   |
| TEWKSBURY   | 22755 | 18079 | 15902 | 10848 | 7505   |
| TOWNSEND    | 4281  | 3990  | 3650  | 3365  | 2817   |
| TYNGSBORO   | 4204  | 3848  | 3302  | 2868  | 2059   |
| WAKEFIELD   | 25402 | 25571 | 24295 | 22115 | 19633  |
| WALTHAM     | 61582 | 57134 | 55413 | 50115 | 47187  |
| WATERTOWN   | 39307 | 40115 | 39092 | 38898 | 37329  |
| WAYLAND     | 13461 | 12192 | 10444 | 7359  | 4407   |
| WESTFORD    | 10368 | 8283  | 6261  | 4923  | 4262   |
| WESTON      | 10870 | 9848  | 8261  | 6257  | 5026   |
| WILMINGTON  | 17102 | 15261 | 12475 | 9408  | 7039   |
| WINCHESTER  | 22269 | 21634 | 19376 | 18126 | 15509  |
| WOBBURN     | 37406 | 35149 | 31214 | 25856 | 20492  |

|                  |      |      |      |      |      |
|------------------|------|------|------|------|------|
| NANTUCKET COUNTY | 3774 | 3714 | 3559 | 3642 | 3484 |
|------------------|------|------|------|------|------|

|           |      |      |      |      |      |
|-----------|------|------|------|------|------|
| NANTUCKET | 3774 | 3714 | 3559 | 3642 | 3484 |
|-----------|------|------|------|------|------|

|                |        |        |        |        |        |
|----------------|--------|--------|--------|--------|--------|
| NORFOLK COUNTY | 605051 | 560137 | 510256 | 448144 | 392308 |
|----------------|--------|--------|--------|--------|--------|

|            |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|
| AVON       | 5295  | 5175  | 4301  | 2994  | 2666  |
| BELLINGHAM | 13967 | 10604 | 6774  | 5421  | 4100  |
| BRAINTREE  | 35050 | 33954 | 31069 | 26698 | 23161 |
| BROOKLINE  | 58886 | 53608 | 54044 | 56876 | 57589 |
| CANTON     | 17100 | 15310 | 12771 | 10128 | 7465  |
| COHASSET   | 6954  | 6559  | 5840  | 4729  | 3731  |
| DEDHAM     | 26938 | 26618 | 23869 | 21450 | 18487 |
| DOVER      | 4529  | 3592  | 2846  | 2245  | 1722  |
| FOXBORO    | 14218 | 12223 | 10136 | 8537  | 7030  |
| FRANKLIN   | 17830 | 14721 | 10530 | 8466  | 8037  |
| HOLBROOK   | 11775 | 11231 | 10104 | 6286  | 4004  |

|                     | 1970   | 1965   | 1960   | 1955   | 1950   |
|---------------------|--------|--------|--------|--------|--------|
| NORFOLK CO. (cont.) |        |        |        |        |        |
| MEDFIELD            | 9821   | 7479   | 6021   | 5293   | 4549   |
| MEDWAY              | 7938   | 6869   | 5168   | 4169   | 3744   |
| MILLIS              | 5686   | 5262   | 4374   | 3030   | 2551   |
| MILTON              | 27190  | 27708  | 26375  | 24043  | 22395  |
| NEEDHAM             | 29748  | 29303  | 25793  | 21560  | 16313  |
| NORFOLK             | 4656   | 3985   | 3471   | 2769   | 2704   |
| NORWOOD             | 30815  | 28978  | 24898  | 21052  | 16636  |
| PLAINVILLE          | 4953   | 4252   | 3810   | 2557   | 2088   |
| QUINCY              | 87966  | 87158  | 87409  | 84495  | 83835  |
| RANDOLPH            | 27035  | 21726  | 18900  | 13539  | 9982   |
| SHARON              | 12367  | 11341  | 10070  | 7814   | 4847   |
| STOUGHTON           | 23459  | 19686  | 16328  | 13754  | 11146  |
| WALPOLE             | 18149  | 16390  | 14068  | 11293  | 9109   |
| WELLESLEY           | 28051  | 26297  | 26071  | 21759  | 20549  |
| WESTWOOD            | 12750  | 12123  | 10354  | 8480   | 5837   |
| WEYMOUTH            | 54610  | 50468  | 48177  | 42747  | 32690  |
| WRENTHAM            | 7315   | 7517   | 6685   | 5960   | 5341   |
|                     |        |        |        |        |        |
| PLYMOUTH COUNTY     | 333314 | 292697 | 248449 | 214456 | 189468 |
|                     |        |        |        |        |        |
| ABINGTON            | 12334  | 11790  | 10607  | 9407   | 7152   |
| BRIDGEWATER         | 11829  | 11056  | 10276  | 9059   | 9512   |
| BROCKTON            | 89040  | 83499  | 72813  | 62628  | 62860  |
| CARVER              | 2420   | 2147   | 1949   | 1669   | 1530   |
| DUXBURY             | 7636   | 6211   | 4727   | 4280   | 3167   |
| EAST BRIDGEWATER    | 8347   | 7460   | 6139   | 5359   | 4412   |
| HALIFAX             | 3537   | 2637   | 1599   | 1377   | 944    |
| HANOVER             | 10107  | 7862   | 5923   | 4248   | 3389   |
| HANSON              | 7148   | 5285   | 4370   | 3763   | 3264   |
| HINGHAM             | 18845  | 17576  | 15378  | 13418  | 10665  |
| HULL                | 9961   | 8836   | 7055   | 5824   | 3379   |
| KINGSTON            | 5999   | 4946   | 4302   | 4089   | 3461   |
| LAKEVILLE           | 4376   | 3773   | 3209   | 2382   | 2066   |
| MARION              | 3466   | 3481   | 2881   | 2776   | 2250   |
| MARSHFIELD          | 15223  | 10176  | 6748   | 4959   | 3267   |
| MATTAPOISETT        | 4500   | 3942   | 3117   | 2661   | 2265   |
| MIDDLEBORO          | 13607  | 11726  | 11065  | 11119  | 10164  |
| NORWELL             | 7796   | 6387   | 5207   | 4127   | 2515   |
| PEMBROKE            | 11193  | 7708   | 4919   | 3838   | 2579   |
| PLYMOUTH            | 18606  | 15424  | 14445  | 13892  | 13608  |
| PLYMPTON            | 1224   | 1060   | 821    | 760    | 697    |
| ROCHESTER           | 1770   | 1693   | 1559   | 1439   | 1328   |
| ROCKLAND            | 15674  | 15054  | 13119  | 10516  | 8960   |
| SCITUATE            | 16973  | 14458  | 11214  | 8341   | 5993   |
| WAREHAM             | 11492  | 10406  | 9461   | 8612   | 7569   |
| WEST BRIDGEWATER    | 7152   | 5731   | 5061   | 4558   | 4059   |
| WHITMAN             | 13059  | 12373  | 10485  | 9345   | 8413   |



|                  | 1970   | 1965   | 1960   | 1955   | 1950   |
|------------------|--------|--------|--------|--------|--------|
| SUFFOLK COUNTY   | 735190 | 706216 | 791239 | 819797 | 896615 |
| BOSTON           | 641071 | 616326 | 697197 | 724702 | 801444 |
| CHELSEA          | 30625  | 27098  | 33749  | 36826  | 38912  |
| REVERE           | 43159  | 42394  | 40080  | 29565  | 36763  |
| WINTHROP         | 20335  | 20398  | 20303  | 18704  | 19496  |
| WORCESTER COUNTY | 637969 | 609909 | 583228 | 574420 | 546401 |
| ASHBURNHAM       | 3484   | 3042   | 2758   | 2588   | 2603   |
| ATHOL            | 11185  | 11989  | 11637  | 12186  | 11554  |
| AUBURN           | 15347  | 15396  | 14047  | 12442  | 8840   |
| BARRE            | 3825   | 3860   | 3479   | 3591   | 3406   |
| BERLIN           | 2099   | 1984   | 1742   | 1516   | 1349   |
| BLACKSTONE       | 6566   | 6025   | 5130   | 5023   | 4968   |
| BOLTON           | 1905   | 1669   | 1264   | 1101   | 956    |
| BOYLSTON         | 2774   | 2732   | 2367   | 1886   | 1700   |
| BROOKFIELD       | 2063   | 2002   | 1751   | 1774   | 1567   |
| CHARLTON         | 4654   | 4017   | 3685   | 3466   | 3136   |
| CLINTON          | 13383  | 13626  | 12848  | 12754  | 12287  |
| DOUGLAS          | 2947   | 2718   | 2559   | 2666   | 2624   |
| DUDLEY           | 8087   | 6960   | 6510   | 5596   | 5261   |
| EAST BROOKFIELD  | 1800   | 1788   | 1533   | 1391   | 1243   |
| FITCHBURG        | 43343  | 43087  | 43021  | 42925  | 42691  |
| GARDNER          | 19748  | 20463  | 19038  | 20108  | 19581  |
| GRAFTON          | 11659  | 11571  | 10627  | 9803   | 8281   |
| HARDWICK         | 2379   | 2395   | 2340   | 2271   | 2348   |
| HARVARD          | 13426  | 2360   | 2563   | 1597   | 3983   |
| HOLDEN           | 12564  | 11504  | 10117  | 8608   | 5975   |
| HOPEDALE         | 4292   | 4363   | 3987   | 3773   | 3479   |
| HUBBARDSTON      | 1437   | 1365   | 1217   | 1162   | 1134   |
| LANCASTER        | 6095   | 4815   | 3958   | 3835   | 3601   |
| LEICESTER        | 9140   | 8701   | 8177   | 7290   | 6029   |
| LEOMINSTER       | 32939  | 29729  | 27929  | 24787  | 24075  |
| LUNENBURG        | 7419   | 7321   | 6334   | 5282   | 3906   |
| MENDON           | 2524   | 2310   | 2068   | 1905   | 1619   |
| MILFORD          | 19352  | 17034  | 15749  | 15622  | 15442  |
| MILLBURY         | 11987  | 10764  | 9623   | 9282   | 8347   |
| MILLVILLE        | 1764   | 1706   | 1567   | 1583   | 1692   |
| NEW BRAINTREE    | 631    | 530    | 509    | 471    | 478    |
| NO. BROCKFIELD   | 3967   | 3608   | 3616   | 3455   | 3444   |
| NORTHBORO        | 9218   | 8314   | 6687   | 4943   | 3122   |
| NORTHBRIDGE      | 11795  | 11502  | 10800  | 10626  | 10476  |
| OAKHAM           | 730    | 632    | 524    | 522    | 455    |
| OXFORD           | 10345  | 10034  | 9282   | 7777   | 5851   |
| PAXTON           | 3731   | 2856   | 2399   | 1565   | 1066   |
| PETERSHAM        | 1014   | 990    | 890    | 929    | 814    |
| PHILLIPSTON      | 872    | 842    | 695    | 748    | 638    |
| PRINCETON        | 1681   | 1487   | 1360   | 1196   | 1032   |

|                       | 1970   | 1965   | 1960   | 1955   | 1950   |
|-----------------------|--------|--------|--------|--------|--------|
| WORCESTER CO. (cont.) |        |        |        |        |        |
| ROYALSTON             | 809    | 739    | 800    | 848    | 838    |
| RUTLAND               | 3198   | 2713   | 3253   | 2430   | 3056   |
| SHEFFSBURY            | 19196  | 18003  | 16622  | 13103  | 10594  |
| SOUTHBORO             | 5798   | 4780   | 3996   | 3173   | 2760   |
| SOUTHBRIDGE           | 17057  | 19384  | 16523  | 17271  | 17519  |
| SPENCER               | 8779   | 8514   | 7838   | 7611   | 7027   |
| STERLING              | 4247   | 3711   | 3193   | 2724   | 2166   |
| STURBRIDGE            | 4878   | 4006   | 3604   | 3413   | 2805   |
| SUTTON                | 4590   | 3921   | 3638   | 3423   | 3102   |
| TEMPLETON             | 5863   | 6006   | 5371   | 5384   | 4757   |
| UPTON                 | 3484   | 3502   | 3127   | 2921   | 2656   |
| UXBRIDGE              | 8253   | 8265   | 7789   | 7596   | 7007   |
| WARREN                | 3633   | 3578   | 3383   | 3509   | 3406   |
| WEBSTER               | 14917  | 14357  | 13680  | 13934  | 13194  |
| WEST BOYLSTON         | 6369   | 6057   | 5526   | 4143   | 2570   |
| WEST BROOKFIELD       | 2653   | 2233   | 2053   | 1935   | 1674   |
| WESTBORO              | 12594  | 10567  | 9599   | 8130   | 7378   |
| WESTMINISTER          | 4273   | 4452   | 4022   | 3505   | 2768   |
| WINCHENDON            | 6635   | 6689   | 6237   | 6710   | 6585   |
| WORCESTER             | 176572 | 180341 | 186587 | 202612 | 203486 |

TABLE 15

## HEALTH SERVICE AREAS

HEALTH SERVICE AREA I

|                  |                  |                  |
|------------------|------------------|------------------|
| Adams            | Hancock          | Pittsfield       |
| Agawam           | Hatfield         | Plainfield       |
| Alford           | Hawley           | Richmond         |
| Amherst          | Heath            | Rowe             |
| Ashfield         | Hinsdale         | Royalston        |
| Athol            | Holyoke          | Russell          |
| Becket           | Huntington       | Sandisfield      |
| Belchertown      | Lanesborough     | Savoy            |
| Bernardston      | Lee              | Sheffield        |
| Blandford        | Lenox            | Shelburne        |
| Buckland         | Leverett         | Shutesbury       |
| Charlemont       | Leyden           | South Hadley     |
| Cheshire         | Longmeadow       | Southampton      |
| Chester          | Ludlow           | Southwick        |
| Chesterfield     | Middlefield      | Springfield      |
| Chicopee         | Monroe           | Stockbridge      |
| Clarksburg       | Monson           | Sunderland       |
| Colrain          | Montague         | Tolland          |
| Conway           | Monterey         | Tyringham        |
| Cummington       | Montgomery       | Ware             |
| Dalton           | Mount Washington | Warren           |
| Deerfield        | New Ashford      | Warwick          |
| Easthampton      | New Marlborough  | Washington       |
| East Longmeadow  | New Salem        | Wendell          |
| Egremont         | Northampton      | Westfield        |
| Erving           | North Adams      | Westhampton      |
| Florida          | Northfield       | West Springfield |
| Gill             | Orange           | West Stockbridge |
| Goshen           | Otis             | Whately          |
| Granby           | Palmer           | Wilbraham        |
| Granville        | Pelham           | Williamsburg     |
| Great Barrington | Peru             | Williamstown     |
| Greenfield       | Petersham        | Windsor          |
| Hadley           | Phillipston      | Worthington      |
| Hampden          |                  |                  |

HEALTH SERVICE AREA II

|                 |                  |               |
|-----------------|------------------|---------------|
| Ashburnham      | Hardwick         | Pepperell     |
| Ashby           | Harvard          | Princeton     |
| Auburn          | Holden           | Rutland       |
| Ayer            | Holland          | Shirley       |
| Barre           | Hopedale         | Shrewsbury    |
| Berlin          | Hubbardston      | Southbridge   |
| Bellingham      | Lancaster        | Spencer       |
| Blackstone      | Leicester        | Sterling      |
| Boylston        | Leominster       | Sturbridge    |
| Bolton          | Lunenburg        | Sutton        |
| Brimfield       | Medway           | Templeton     |
| Brookfield      | Mendon           | Townsend      |
| Charlton        | Milford          | Upton         |
| Clinton         | Milbury          | Uxbridge      |
| Douglas         | Millville        | Wales         |
| Dudley          | New Braintree    | Webster       |
| East Brookfield | Northbridge      | West Boylston |
| Fitchburg       | North Brookfield | W. Brookfield |
| Franklin        | Oakham           | Westminster   |
| Gardner         | Oxford           | Winchendon    |
| Grafton         | Paxton           | Worcester     |
| Groton          |                  |               |

HEALTH SERVICE AREA III

|            |             |               |
|------------|-------------|---------------|
| Amesbury   | Groveland   | North Andover |
| Andover    | Haverhill   | Rowley        |
| Billerica  | Lawrence    | Salisbury     |
| Boxford    | Lowell      | Tewksbury     |
| Chelmsford | Merrimac    | Tyngsboro     |
| Dracut     | Methuen     | Westford      |
| Dunstable  | Newbury     | West Newbury  |
| Georgetown | Newburyport |               |

HEALTH SERVICE AREA IVCENTRAL METRO

Boston  
Brookline

Chelsea  
Revere

Winthrop

NORTHWEST METRO

Acton  
Arlington  
Bedford  
Belmont  
Boxborough  
Burlington

Cambridge  
Carlisle  
Concord  
Lexington  
Lincoln  
Littleton

Maynard  
Somerville  
Stow  
Wilmington  
Winchester  
Woburn

SOUTH METRO

Braintree  
Cohasset  
Hingham  
Holbrook

Hull  
Milton  
Norwell  
Quincy

Randolph  
Scituate  
Weymouth

SOUTHWEST METRO

Canton  
Dedham  
Foxboro  
Medfield

Millis  
Norfolk  
Norwood  
Sharon

Walpole  
Westwood  
Wrentham

WEST METRO

Ashland  
Dover  
Framingham  
Holliston  
Hopkinton  
Hudson  
Marlborough

Natick  
Needham  
Newton  
Northborough  
Sherborn  
Southborough  
Sudbury

Waltham  
Watertown  
Wayland  
Wellesley  
Westborough  
Weston

HEALTH SERVICE AREA V

|                  |                    |                  |
|------------------|--------------------|------------------|
| Abington         | Falmouth           | Plainville       |
| Acushnet         | Freetown           | Plymouth         |
| Attleboro        | Gay Head           | Plympton         |
| Avon             | Gosnold            | Provincetown     |
| Barnstable       | Halifax            | Raynham          |
| Berkley          | Hanover            | Rehoboth         |
| Bourne           | Hanson             | Rochester        |
| Brewster         | Harwich            | Rockland         |
| Bridgewater      | Kingston           | Sandwich         |
| Brockton         | Lakeville          | Seekonk          |
| Carver           | Mansfield          | Somerset         |
| Chatham          | Marion             | Stoughton        |
| Chilmark         | Marshfield         | Swansea          |
| Dartmouth        | Mashpee            | Taunton          |
| Dennis           | Mattapoisett       | Tisbury          |
| Dighton          | Middleborough      | Truro            |
| Duxbury          | Nantucket          | Wareham          |
| East Bridgewater | New Bedford        | Wellfleet        |
| Eastham          | North Attleborough | West Bridgewater |
| Easton           | Norton             | Westport         |
| Edgartown        | Oak Bluffs         | West Tisbury     |
| Fairhaven        | Orleans            | Whitman          |
| Fall River       | Pembroke           | Yarmouth         |

HEALTH SERVICE AREA VI

|            |               |            |
|------------|---------------|------------|
| Beverly    | Malden        | Reading    |
| Danvers    | Manchester    | Rockport   |
| Essex      | Marblehead    | Salem      |
| Everett    | Medford       | Saugus     |
| Gloucester | Melrose       | Stoneham   |
| Hamilton   | Middleton     | Swampscott |
| Ipswich    | Nahant        | Topsfield  |
| Lynn       | North Reading | Wakefield  |
| Lynnfield  | Peabody       | Wenham     |

## APPENDIX

## List of Other Available Data

Births and Fetal Deaths

Births by Weight of Infant and Race of Mother  
Births by Age, Race and Marital Status of Mother  
Births and Fetal Deaths by Age and Race of Mother  
Immature Births and Fetal Deaths by Age and Race of Mother and Sex of Child  
Births by Age and Marital Status of Mother and Weight of Baby  
(Available for each City, Town and Health Service Area)  
Births by City/Town of Mother's Residence and Race and Sex of Baby  
Plural Births - (Information Listing)  
Congenital Malformation - (Information Listing)

Deaths

Deaths by City/Town of Residence, Color and Sex  
Deaths by City/Town of Residence, Age Group and Sex  
Deaths by Cause, Sex, Color and Age Group - Certified by Medical Examiners  
Deaths by County of Occurrence and Cause - Certified by Medical Examiners  
Deaths by Cause, Age, Sex and Color  
Deaths By City/Town of Occurrence and Cause  
Deaths by each Cause, and City/Town of Residence - (Information Listing)

Marriages and Divorces

Marriages by Age and Marital Status of Bride and Groom  
Number of Marriages for Bride and Groom  
Divorces and Annulments by Cause, Party To Whom Granted and Whether Contested  
Divorces and Annulments by Party To Whom Granted and Duration of Marriage

For the above data, contact:

Department of Public Health  
Office of Health Statistics and Analysis  
80 Boylston Street Room 335  
Boston, Mass. 02116  
Tel: (617) 727-5542

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